

Features, Attributes, Defaults, Domains, Relationships

This report lists features by given name, label and type. It includes the feature definition, and provides a complete list of the attributes assigned to the feature, each with the default value (if assigned), attribute definition and value domain. Finally, relationships in which this feature participates are described.

GGDM2_2 2_2_1311

AdministrativeBoundary (Line)

Feature AdministrativeBoundary (Line)

New ☐ Administrative Boundary

A boundary between administratively controlled regions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Administrative Division : BGN Administrative Level	1	No Information	Enumeration	Unitless	0	The level of an administrative division of a country as established by the U.S. Board on Geographic Names (BGN). [Description] The BGN is a management body established to maintain uniform geographic name usage throughout the U.S. Government.
<i>allowed values:</i> First-order Third-order			No Information			Other Second-order
Boundary Dispute Type	1	No Information	Enumeration	Unitless	0	The type of dispute, if any, concerning a boundary.
<i>allowed values:</i> De Facto Undisputed			De Jure			In Dispute No Information
Boundary Representation Policy	1	No Information	Enumeration	Unitless	0	An official (for example: by a State Department or Foreign Office) interpretation of a boundary status to be reflected in the portrayal of that boundary.
<i>allowed values:</i> Administrative as International No Information			Definite Other			In Dispute Show No Line Indefinite
Boundary Status	1	No Information	Enumeration	Unitless	0	The status of delimitation of a boundary.
<i>allowed values:</i> Definite No Information			In Dispute			Indefinite No Defined Boundary
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	FA000	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FA000						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geopolitical Entity Designation : FIPS 10-4 Country Name (first side)	1	No Information	String	Unitless	14	The Federal Information Processing Standards (FIPS) 10-4 full name that designates a geopolitical entity (for example: a State). [Description] Often termed a 'country name'. Includes only the letters A through Z and punctuation marks.
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						

Geopolitical Entity : Geographic Name Information (1) : Full Name (first side)	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						
Geopolitical Entity : Geographic Name Information (1) : Geographic Name Type (first side)	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
Geopolitical Line Type	1	No Information	Enumeration	Unitless	0	The type of a geopolitical dividing line (for example: a boundary or a line of separation) based on the nature of its establishment and/or recognition.
<i>allowed values:</i> Armistice Line Demarcation Line Interentity Line Line of Withdrawal Provisional Administrative Line			Cease Fire Line Generic Administrative Boundary Line of Adjacency Military Disengagement Line Treaty Line			Claim Line Generic International Boundary Line of Control No Information UNCLOS Claim Boundary
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Maritime Geopolitical Limit Type	3	No Information	Enumeration	Unitless	0	The type of a maritime geopolitical dividing line (limit) based on the nature of its establishment and/or recognition. [Description] Generally established and recognized in accordance with International Law (for example: the United Nations Convention on the Law of the Sea (UNCLOS)).
<i>allowed values:</i> Contiguous Zone Limit Extended Continental Shelf Limit Territorial Sea Baseline			Continental Shelf Limit International Boundary Territorial Waters Limit of Sovereignty			Customs Boundary No Information Three Nautical Mile Limit
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geopolitical Entity : Geographic Name Information (1) : Name Identifier (first side)	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: AdministrativeBoundary (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AdministrativeBoundary (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 AdministrativeBoundary (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 AdministrativeBoundary (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AdministrativeBoundary (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AdministrativeBoundary (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AdministrativeBoundary (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AdministrativeBoundary (Line) - is a member of group - Exactly one - BoundaryCrv (FeatureGroup)
 AdministrativeBoundary (Line) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 AdministrativeBoundary (Line) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 AdministrativeBoundary (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 AdministrativeBoundary (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature AdministrativeDivision (Area)

New ☐ Administrative Division

An administratively subordinate division of a geopolitical entity. [Description] A geopolitical entity (country) is typically divided into first-, second-, and lower-order administrative divisions. First-order administrative divisions are immediately subordinate to the government of the geopolitical entity, with second- and lower-order divisions subordinate to those above them. Examples: (first-order) a United States state, a German Land, a French region; a Canadian province; (second-order) a U.S. county, a French department; (third-order) a U.S. township, a French arrondissement; (lower-levels) a French commune.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	FA003	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FA003						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<u>allowed values:</u> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						

Special Administrative Unit	1	No Information	Enumeration	Unitless	0	The basis upon which an administratively subordinate division of a geopolitical entity (country) is established, other than for the purpose of governing as a unique subordinate division. [Description] Non-governance purposes for which an administrative division may be established include, for example: economic development, postal service, utility provision, or data collection.
<i>allowed values:</i> Army Corps of Engineers District Army Corps of Engineers Division Coast Guard Sector Concession Area Environmental Protection Agency Region FBI Field Office Jurisdiction Federal Emergency Management Agency Region Federal Energy Regulatory Commission Region Free Trade Zone Lease Area Native American Reservation No Information Postal District Radiological Assistance Program Region Census District Congressional District FBI Resident Agency District Federal Aviation Administration Region Water Management District						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: AdministrativeDivision (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
AdministrativeDivision (Area) - has dataset metadata in - Zero or one - Dataset (Area)
AdministrativeDivision (Area) - has dataset metadata in - Zero or one - Dataset (Table)
AdministrativeDivision (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
AdministrativeDivision (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
AdministrativeDivision (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
AdministrativeDivision (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
AdministrativeDivision (Area) - is a member of group - Exactly one - BoundarySrf (FeatureGroup)
AdministrativeDivision (Area) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
AdministrativeDivision (Area) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
AdministrativeDivision (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
AdministrativeDivision (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature AerationBasin (Area)

New ☐ Aeration Basin

A basin, usually artificial, in which air is mixed with partially treated wastewater. [Description] The water is treated with microorganisms to consume organic materials and convert suspended solids to settleable solids that are later collected by a settling pond and removed as sludge.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.

allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AB040	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AB040						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Dismantled Unmaintained						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem

allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
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allowed values: *-999999.0*

Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
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allowed values: *-999999.0*

Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
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allowed values: *-999999.0*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
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allowed values: *-999999.0*

Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
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allowed values: *-999999.0*

Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
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allowed values: *-999999.0*

Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
allowed values:	Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable	Fresh Other
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: AerationBasin (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AerationBasin (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 AerationBasin (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 AerationBasin (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AerationBasin (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AerationBasin (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AerationBasin (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AerationBasin (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 AerationBasin (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 AerationBasin (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature Aerial (Point)

New ☐ Aerial

A device that is used for emitting and/or sensing electromagnetic energy. [Description] For example, used to transmit and/or receive electronic signals as on a radio tower or to capture electromagnetic energy as in radio astronomy.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values:	False		No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values:	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values:	noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values:	[-999999, -999999]					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values:	Joint Military and Civilian Private		Military Public			No Information Other
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values:	noInformation					
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
allowed values:	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AT011	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AT011						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False		No Information		True		

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Radar Antenna Configuration	1	No Information	Enumeration	Unitless	0	The physical mounting and/or configuration of a radar antenna.
<i>allowed values:</i>	Dome Enclosed Radome		Mast Mounted Radome on Tower			No Information Scanner Other Tower Mounted
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i>	False		No Information			True

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
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allowed values: Cellular Phone
Other
Television (TV)

Microwave Radio Relay
Radio Broadcast

Mobile Phone
Radio Telephone

No Information
Radio-telegraph

Relationships: Aerial (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Aerial (Point) - has dataset metadata in - Zero or one - Dataset (Area)
Aerial (Point) - has dataset metadata in - Zero or one - Dataset (Table)
Aerial (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Aerial (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Aerial (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Aerial (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Aerial (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
Aerial (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Aerial (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Aerial (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Aerial (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature AerialFarm (Area)

New ☐ Aerial Farm

A collection of aeriels that are collocated and serve a common purpose. [Description] They may be organized either to function as a single larger virtual device (for example: a phased array) or function relatively independently of each other (for example: pointed in different directions and operating at different frequencies as at a satellite communication ground station).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AT012	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AT012						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Main Telephone Exchange Satellite Telecommunications Television Broadcasting			No Information Scientific Research and Development Wired Telecommunications			Other Signalling Wireless Telecommunications Radio Broadcasting Telecommunications
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: AerialFarm (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AerialFarm (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 AerialFarm (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 AerialFarm (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AerialFarm (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AerialFarm (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AerialFarm (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AerialFarm (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 AerialFarm (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 AerialFarm (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 AerialFarm (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 AerialFarm (Area) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup)

Feature AerialFarm (Point)

New ☐ Aerial Farm

A collection of aeriels that are collocated and serve a common purpose. [Description] They may be organized either to function as a single larger virtual device (for example: a phased array) or function relatively independently of each other (for example: pointed in different directions and operating at different frequencies as at a satellite communication ground station).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other		Joint Military and Civilian Private		Military Public No Information		
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational Operational		
New	Feature Code	1	AT012	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AT012						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Main Telephone Exchange Satellite Telecommunications Television Broadcasting		No Information Scientific Research and Development Wired Telecommunications		Other Signalling Wireless Telecommunications Radio Broadcasting Telecommunications		
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc. [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information		Other				
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated		
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
<i>allowed values:</i> Damaged No Information						
<i>allowed values:</i> Destroyed Unmaintained						
<i>allowed values:</i> Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
<i>allowed values:</i> Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonInt
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: AerialFarm (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
AerialFarm (Point) - has dataset metadata in - Zero or one - Dataset (Area)
AerialFarm (Point) - has dataset metadata in - Zero or one - Dataset (Table)
AerialFarm (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
AerialFarm (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
AerialFarm (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
AerialFarm (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
AerialFarm (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
AerialFarm (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
AerialFarm (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
AerialFarm (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
AerialFarm (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature AerodromeBeacon (Point)

New ☐ Aerodrome Beacon

A beacon used to indicate the location of an aerodrome from the air. [Description] Aerodrome beacons may consist of either a rotating light source or a strobe light.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Aerodrome : Aerodrome Identifier							The unique identifier of an aerodrome, heliport or seaplane base. [Description] It may used to relate information about components (for example: runways, helipads, taxiways, and aprons) of the aerodrome, heliport or seaplane base to each other and to the overall facility. [Structure] A seven character code consisting of a two character country code as specified in the Digital Aeronautical Flight Information File (DAFIF) Appendix C, followed by a five digit number that is uniquely assigned within that country by the U.S. National Geospatial-Intelligence Agency (NGA) as part of the process of preparing DAFIF data.
<i>allowed values:</i> No Information							
Basic Encyclopedia (BE) Number							The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation							
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]							
Character of Light							The characteristic description of a maritime light or lights at one geographic position that includes its class, number and color(s) of flashes or occultations. [Description] This text is structured as it traditionally has been represented on a paper chart. [Structure] For example: 'Q(6)+L F1, VQ G, L F1 (3+2)WR'.
<i>allowed values:</i> noInformation							
Conspicuous Sea Category							The manner in which an object is conspicuous when viewed from the sea. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information Visual and Radar							Not Conspicuous Radar Visual
Controlling Authority							The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other							Joint Military and Civilian Private Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
Facility Operational Status							The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational							Non-operational Planned Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	GB013	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB013							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
Geographic Name Information : Full Name							A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information Other							
Geographic Name Information : Geographic Name Type							The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Light Characteristic Number	1	-999999	Integer	Unitless	0	The number of flashes/occultations in a group flashing/occulting light character.	
<i>allowed values:</i> -999999							
Light Visibility	3	No Information	Enumeration	Unitless	0	The type of specific visibilities of a light based on the light's intensity and ease of recognition.	
<i>allowed values:</i>	Faint No Information Unintensified		High Intensity Obscured Visibility Deliberately Restricted			Intensified Other	Low Intensity Partially Obscured
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Light Characteristic	1	No Information	Enumeration	Unitless	0	The sequence, grouping, and/or distinctive character (rythm and colour or colours) of a navigation light.	
<i>allowed values:</i>	Alternating Fixed with Alternating Flashing Group Quick-flashing Interrupted Very Quick-flashing Morse Code Occulting Flashing Ultra Quick-flashing with Long-flash		Fixed Flashing Group Very Quick-flashing Isophase No Information Quick-flashing Very Quick-flashing			Fixed and Flashing Flashing Alternating Interrupted Quick-flashing Long-flashing Occulting Quick-flashing with Long-flash Very Quick-flashing with Long-flash	Fixed Long-flashing Flashing with Long-flash Interrupted Ultra Quick-flashing Long-flashing Alternating Occulting Alternating Ultra Quick-flashing
Period of Light	1	-999999.0	REAL	Second	0	The time occupied by an entire cycle of intervals of light and eclipse.	
<i>allowed values:</i> -999999.0							
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll	
<i>allowed values:</i> U							

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						

Relationships: AerodromeBeacon (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AerodromeBeacon (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 AerodromeBeacon (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 AerodromeBeacon (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AerodromeBeacon (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AerodromeBeacon (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AerodromeBeacon (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AerodromeBeacon (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)
 AerodromeBeacon (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 AerodromeBeacon (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature AeroRadioNavInstallation (Point)New ☐ **Aeronautical Radio Navigation Installation**

A ground based piece of electronic equipment that provides aeronautical navigation guidance information or position data.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Aeronautical Radio Navigation Installation Point : Aeronautical Radio Navigation Service Name	1	No Information	String	Unitless	80	The textual designation given to a feature by a responsible authority.
<i>allowed values:</i> No Information						
Aeronautical Route Category	1	No Information	Enumeration	Unitless	0	The category of aeronautical route with which a waypoint or NAVAID is associated.
<i>allowed values:</i> Both			High			Low No Information
Aeronautical Service Operational Status	1	No Information	Enumeration	Unitless	0	The availability of an aeronautical navigation or communication service, as a category.
<i>allowed values:</i> Conditional In Construction No Information Withdrawn			Displaced Intermittent On-Test			False Indication Definite Interrupt Operational False Indication Possible Irregular Unserviceable
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Characters Emitted	1	No Information	String	Unitless	80	The character(s) that are being emitted by a signalling device (for example: a light, a beacon, or a communications transmitter). [Description] May be in the form of Morse code, however on 1 February 1999 Morse code was withdrawn from use and was replaced by the Global Maritime Distress and Safety System.
<i>allowed values:</i> No Information						
Commissioned Status	1	No Information	Enumeration	Unitless	0	The status of a facility based on test, operation, and commissioning.
<i>allowed values:</i> Commissioned and on Test Not Commissioned and Out of Service			Commissioned and Operational On Test but Not Commissioned			Commissioned but Out of Service Operational but Not Commissioned No Information

	DIAM Functional Classification	1	noInformation	StructuredText	Unitless	14	The functional classification code for facilities as specified by DIA Manual (DIAM) 65-3-1 and encoded by the data element CATEGORY as required by DoD Directive 5105.21. [Description] Function classification codes provide a hierarchical structure for defining the detailed purpose of a facility. The Joint Chiefs of Staff (JCS) defines a facility as 'a real property performing a unique function and consisting of one or more of the following components: buildings, structures or equipment', for example: storage tanks or a pumping house. The JCS defines an installation as 'a group of facilities, or facility, in a specific geographic area which support a general functional purpose', for example: a petroleum production plant composed of all of its associated refining operations, blending operations, pumping houses and storage tanks all located within the fence line of the petroleum plant. [Structure] A five character numeric code with each successive numeric character, reading from left to right, further specifying details regarding the function of the facility. The first position breaks down facilities into nine major groups. Subsequent numeric characters extend or delineate the concept further. A zero is used to generalize the function of the facility when the specific function can not be determined. For example, the value '23331' denotes 'Steel Production, Electric Furnace shops, Electroslag Remelt Furnace shops' whereas the value '23300' denotes the more generalized functional classification 'Steel Production'.
	<u>allowed values:</u> noInformation						
	Directivity	1	No Information	Enumeration	Unitless	0	The side(s) of a feature that produce the greatest visual significance and/or reflectivity potential.
	<u>allowed values:</u> Bidirectional			No Information			Omnidirectional Unidirectional
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
New	Feature Code	1	GA033	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> GA033						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon ("."), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999.0

Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
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allowed values: At Shoreline

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

NAVAID Power	1	-999999.0	Real	TBD	0	NAVAID facility radiated power.
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allowed values: -999999.0

Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
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allowed values: False

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Radar Antenna Configuration	1	No Information	Enumeration	Unitless	0	The physical mounting and/or configuration of a radar antenna.
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allowed values: Dome Enclosed
Radome on TowerNo Information
Tower Mounted

Other

Radome

Radar Significance	1	No Information	Enumeration	Unitless	0	The predominant exposed surface material, categorized by its significance to radar-based sensors.
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allowed values: Composition
No InformationEarthen
OtherMasonry
Part Metal

Metal

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonInt
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Aluminum Iron Steel			Ceramic Metal			Concrete No Information Glass Reinforced Plastic (GRP) Other
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Above Surface			No Information			On Surface
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: AeroRadioNavInstallation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AeroRadioNavInstallation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 AeroRadioNavInstallation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 AeroRadioNavInstallation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AeroRadioNavInstallation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AeroRadioNavInstallation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AeroRadioNavInstallation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AeroRadioNavInstallation (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)
 AeroRadioNavInstallation (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 AeroRadioNavInstallation (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature AircraftHangar (Area) New ☐ Aircraft Hangar

A building for housing aircraft.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.
<i>allowed values:</i> False			No Information			True
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB230	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB230						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

<i>allowed values:</i> Air Transport Emergency Shelter Warehousing and Storage		Aircraft Repair No Information		Cargo Handling Other		Emergency Operations Out-patient Care	
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information				Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
	Hangar Type Category	1	No Information	Enumeration	Unitless	0	Hangar design code.
<i>allowed values:</i> D - Double Bay No Information		G - Underground O - Open End		M - Multi-bay S - Single Bay		N - Nose In T - T-Shaped	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Adobe Brick Metal Reinforced Concrete			Brick No Information Steel			Concrete Other Wood Masonry Prestressed Concrete

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: AircraftHangar (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
AircraftHangar (Area) - has dataset metadata in - Zero or one - Dataset (Area)
AircraftHangar (Area) - has dataset metadata in - Zero or one - Dataset (Table)
AircraftHangar (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
AircraftHangar (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
AircraftHangar (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
AircraftHangar (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
AircraftHangar (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
AircraftHangar (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
AircraftHangar (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
AircraftHangar (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
AircraftHangar (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature AircraftHangar (Point)

New ☐ Aircraft Hangar

A building for housing aircraft.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

<i>allowed values:</i> -999999.0						
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.
<i>allowed values:</i> False No Information True						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Joint Military and Civilian Military No Information Other Private Public						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Non-operational Not in Operation Operational Partially Operational Planned Temporarily Non-operational						
New Feature Code	1	GB230	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB230						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Air Transport Aircraft Repair Cargo Handling Emergency Operations Emergency Shelter No Information Other Out-patient Care Warehousing and Storage						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Historical Original Historical Transliterated Native Original Native Transliterated No Information Other Provisional Unverified Original Unverified Transliterated Variant Original Variant Transliterated						

Hangar Type Category	1	No Information	Enumeration	Unitless	0	Hangar design code.
<i>allowed values:</i>	D - Double Bay No Information		G - Underground O - Open End		M - Multi-bay S - Single Bay N - Nose In T - T-Shaped	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999.0					
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999.0					
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999.0					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	False		No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information		Destroyed Unmaintained Dismantled	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Adobe Brick Metal Reinforced Concrete			Brick No Information Steel			Concrete Other Wood Masonry Prestressed Concrete
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: AircraftHangar (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AircraftHangar (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 AircraftHangar (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 AircraftHangar (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AircraftHangar (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AircraftHangar (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AircraftHangar (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AircraftHangar (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 AircraftHangar (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 AircraftHangar (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 AircraftHangar (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 AircraftHangar (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)

Feature Amphitheatre (Area)

New ☐ Amphitheatre

A small tract of level ground serving as a stage that is surrounded by rising slopes (either naturally occurring or artificially constructed) supporting tiered seating (for example: benches). [Description] Generally oval or circular in overall shape and typically used for live theatrical presentations, concerts, opera or dance productions, cinema, and/or other stage productions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK164	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK164						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Amphitheatre (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Amphitheatre (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Amphitheatre (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Amphitheatre (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Amphitheatre (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Amphitheatre (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Amphitheatre (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Amphitheatre (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Amphitheatre (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Amphitheatre (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature Amphitheatre (Point) New ☐ Amphitheatre

A small tract of level ground serving as a stage that is surrounded by rising slopes (either naturally occurring or artificially constructed) supporting tiered seating (for example: benches). [Description] Generally oval or circular in overall shape and typically used for live theatrical presentations, concerts, opera or dance productions, cinema, and/or other stage productions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK164	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK164						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).

allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Amphitheatre (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Amphitheatre (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Amphitheatre (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Amphitheatre (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Amphitheatre (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Amphitheatre (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Amphitheatre (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Amphitheatre (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Amphitheatre (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Amphitheatre (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Amphitheatre (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Amphitheatre (Point) - is a member of group - Exactly one - RecreationPnt (FeatureGroup)

Feature AmusementPark (Area) New ☐ Amusement Park

A predominantly man-made facility equipped with recreational devices.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AK030	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AK030						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i>						
	Amusement			Aquarium			Bar
	Cinema			Convenience Store			Cultural, Arts and Entertainment
	Food Service			Gambling			Hobbies and/or Leisure Activities
	Market			Meeting Place			Museum
	No Information			Non-specialized Store			Opera House
	Recreation			Religious Activities			Resort
	Restroom			Retail Banking			Security Enforcement
	Sports Centre			Sports, Amusement and Recreation			Theatre
	Urgent Medical Care			Water Park			Botanical and/or Zoological Reserve Activities
							Dining Hall
							Hotel
							Night Club
							Other
							Restaurant
							Specialized Store
							Transport
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>						
	Conventional			Historical Original			Historical Transliterated
	Native Transliterated			No Information			Native Original
	Unverified Original			Unverified Transliterated			Provisional
							Variant Original
							Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: AmusementPark (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AmusementPark (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 AmusementPark (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 AmusementPark (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AmusementPark (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AmusementPark (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AmusementPark (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AmusementPark (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 AmusementPark (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 AmusementPark (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 AmusementPark (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 AmusementPark (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature AmusementPark (Point)

New ☐ Amusement Park

A predominantly man-made facility equipped with recreational devices.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: No Information

allowed values: -999999.0

allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AK030	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AK030						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Amusement Cinema Food Service Market No Information Recreation Restroom Sports Centre Urgent Medical Care			Aquarium Convenience Store Gambling Meeting Place Non-specialized Store Religious Activities Retail Banking Sports, Amusement and Recreation Water Park			Bar Cultural, Arts and Entertainment Hobbies and/or Leisure Activities Museum Opera House Resort Security Enforcement Theatre Botanical and/or Zoological Reserve Activities Dining Hall Hotel Night Club Other Restaurant Specialized Store Transport
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged No Information						
Destroyed Unmaintained						
Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: AmusementPark (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AmusementPark (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 AmusementPark (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 AmusementPark (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AmusementPark (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AmusementPark (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AmusementPark (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AmusementPark (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 AmusementPark (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 AmusementPark (Point) - is a member of group - Exactly one - RecreationPnt (FeatureGroup)

Feature AmusementParkAttraction (Area)

New ☐ Amusement Park Attraction

A large structure located in an amusement park.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> False True
Amusement Attraction Type	1	No Information	Enumeration	Unitless	0	The type of an amusement park attraction based on its geometric form, appearance, configuration, and/or use. <i>allowed values:</i> Artificial Mountain Ferris Wheel No Information Other Roller-coaster Spherical Vertical Ride Water Attraction
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Joint Military and Civilian Military No Information Other Private Public
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Non-operational Not in Operation Operational Partially Operational Planned Temporarily Non-operational
New Feature Code	1	AK020	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> AK020
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set. <i>allowed values:</i> noInformation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end. <i>allowed values:</i> No Information

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll

allowed values: [U](#)

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOSINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: [No Information](#)

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: [noInformation](#)

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: [noInformation](#)

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: [noInformation](#)

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques))' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques))' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: [noInformation](#)

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: [noInformation](#)*allowed values:* [pimGUID](#)

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: [noInformation](#)

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: [-999999.0](#)

Relationships: AmusementParkAttraction (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AmusementParkAttraction (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 AmusementParkAttraction (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 AmusementParkAttraction (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AmusementParkAttraction (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AmusementParkAttraction (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AmusementParkAttraction (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AmusementParkAttraction (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 AmusementParkAttraction (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature AmusementParkAttraction (Line)New ☐ **Amusement Park Attraction****A large structure located in an amusement park.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Amusement Attraction Type	1	No Information	Enumeration	Unitless	0	The type of an amusement park attraction based on its geometric form, appearance, configuration, and/or use.
<i>allowed values:</i> Artificial Mountain Roller-coaster			Ferris Wheel Spherical			No Information Vertical Ride Other Water Attraction
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK020						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: AmusementParkAttraction (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AmusementParkAttraction (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 AmusementParkAttraction (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 AmusementParkAttraction (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AmusementParkAttraction (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AmusementParkAttraction (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AmusementParkAttraction (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AmusementParkAttraction (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 AmusementParkAttraction (Line) - is a member of group - Exactly one - RecreationCrv (FeatureGroup)

Feature AmusementParkAttraction (Point)

New ☐ Amusement Park Attraction

A large structure located in an amusement park.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Amusement Attraction Type	1	No Information	Enumeration	Unitless	0	The type of an amusement park attraction based on its geometric form, appearance, configuration, and/or use.
<i>allowed values:</i> Artificial Mountain Roller-coaster			Ferris Wheel Spherical			No Information Vertical Ride Other Water Attraction
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK020	CONSTRAINED_STRING	Unitless	5	Feature Code

<i>allowed values:</i> AK020							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Other			Historical Original Historical Transliterated Native Original No Information Other Provisional Unverified Transliterated Variant Original Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False							
				No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: *noInformation**allowed values:* *pimGUID*

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: *-999999.0*

Relationships: AmusementParkAttraction (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AmusementParkAttraction (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 AmusementParkAttraction (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 AmusementParkAttraction (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AmusementParkAttraction (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AmusementParkAttraction (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AmusementParkAttraction (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AmusementParkAttraction (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 AmusementParkAttraction (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 AmusementParkAttraction (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 AmusementParkAttraction (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 AmusementParkAttraction (Point) - is a member of group - Exactly one - RecreationPnt (FeatureGroup)

Feature Anchor (Point)New ☐ Anchor

A heavy object, kept in place on the seafloor by its weight and possibly with flukes, to which is attached a cable, rope, or chain that keeps a buoy on the waterbody surface positioned within a narrow region.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> <i>[-999999, -999999]</i>						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB019	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>BB019</i>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: *noInformation*

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Relationships:

- Anchor (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
- Anchor (Point) - has dataset metadata in - Zero or one - Dataset (Area)
- Anchor (Point) - has dataset metadata in - Zero or one - Dataset (Table)
- Anchor (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
- Anchor (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
- Anchor (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
- Anchor (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
- Anchor (Point) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup)
- Anchor (Point) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
- Anchor (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
- Anchor (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
- Anchor (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Anchorage (Area)

New ☐ Anchorage

An area of relatively uniform water depth with no cables, pipelines, or hazardous obstructions present on the seafloor in which vessels anchor or may anchor. [Description] Anchorage areas are additionally determined by: the depth of water in comparison to the tidal range; the material of the seafloor bottom; local environmental effects of wind and currents; and proximity to hazards to navigation, adjacent ships, and harbor traffic lanes. Although the anchorage refers to an identified area along the water surface, its physical structure is considered to be the material and condition of the seafloor below. An anchorage can be physically damaged by natural events (for example: an earthquake or tsunami) by which the preferred seafloor bottom type can change, or hazardous obstructions can be created or moved into the anchorage area.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information			Non-operational Planned Not in Operation Temporarily Non-operational Operational			
Partially Operational						
New Feature Code	1	BB010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Other Historical Original No Information Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated			
Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).

allowed values: noInformation*allowed values:* pimGUID

Relationships: Anchorage (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Anchorage (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Anchorage (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Anchorage (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Anchorage (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Anchorage (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Anchorage (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Anchorage (Area) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup)
 Anchorage (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)

Feature Anchorage (Point)New ☐ Anchorage

An area of relatively uniform water depth with no cables, pipelines, or hazardous obstructions present on the seafloor in which vessels anchor or may anchor. [Description]
Anchorage areas are additionally determined by: the depth of water in comparison to the tidal range; the material of the seafloor bottom; local environmental effects of wind and currents; and proximity to hazards to navigation, adjacent ships, and harbor traffic lanes. Although the anchorage refers to an identified area along the water surface, its physical structure is considered to be the material and condition of the seafloor below. An anchorage can be physically damaged by natural events (for example: an earthquake or tsunami) by which the preferred seafloor bottom type can change, or hazardous obstructions can be created or moved into the anchorage area.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BB010	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BB010						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC

allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

- Relationships:** Anchorage (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Anchorage (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Anchorage (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Anchorage (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Anchorage (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Anchorage (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Anchorage (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Anchorage (Point) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup)
 Anchorage (Point) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 Anchorage (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 Anchorage (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Anchorage (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature AnnotatedLocation (Area)

New ☐ Annotated Location

A location at which text pertaining to that location is annotated. [Description] For example, a characteristic or activity pertaining to the location may be described.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: *noInformation*

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: *[-999999, -999999]*

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: *noInformation*

New	Feature Code	1	ZD045	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> ZD045						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>		Other				
	Conventional		Historical Original		Historical Transliterated		Native Original
	Native Transliterated		No Information		Other		Provisional
	Unverified Original		Unverified Transliterated		Variant Original		Variant Transliterated
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll
	<i>allowed values:</i> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISDissem
	<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Relationships: AnnotatedLocation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AnnotatedLocation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 AnnotatedLocation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 AnnotatedLocation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AnnotatedLocation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AnnotatedLocation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AnnotatedLocation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AnnotatedLocation (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 AnnotatedLocation (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 AnnotatedLocation (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 AnnotatedLocation (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 AnnotatedLocation (Area) - is a member of group - Exactly one - InformationSrf (FeatureGroup)

Feature AnnotatedLocation (Line)New ☐ Annotated Location

A location at which text pertaining to that location is annotated. [Description] For example, a characteristic or activity pertaining to the location may be described.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<u>allowed values:</u> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
New	Feature Code	1	ZD045	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> ZD045						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: AnnotatedLocation (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AnnotatedLocation (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 AnnotatedLocation (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 AnnotatedLocation (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AnnotatedLocation (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AnnotatedLocation (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AnnotatedLocation (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AnnotatedLocation (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 AnnotatedLocation (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 AnnotatedLocation (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 AnnotatedLocation (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 AnnotatedLocation (Line) - is a member of group - Exactly one - InformationCrv (FeatureGroup)

Feature AnnotatedLocation (Point)

New ☐ Annotated Location

A location at which text pertaining to that location is annotated. [Description] For example, a characteristic or activity pertaining to the location may be described.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	ZD045	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZD045						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: AnnotatedLocation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AnnotatedLocation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 AnnotatedLocation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 AnnotatedLocation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AnnotatedLocation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AnnotatedLocation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AnnotatedLocation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AnnotatedLocation (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 AnnotatedLocation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 AnnotatedLocation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 AnnotatedLocation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 AnnotatedLocation (Point) - is a member of group - Exactly one - InformationPnt (FeatureGroup)

Feature AntiAircraftArtillerySite (Area) New ☐ Anti-aircraft Artillery Site

A site and related facilities (for example: buildings and/or radar equipment) for storing and launching anti-aircraft artillery. [Description] Walls, if any, that surround the site are typically used as the basis for delineation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL121	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL121						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
	<i>allowed values:</i> Air Force Marines			Army Navy			Coastguard No Information Joint Other
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick Metal Reinforced Concrete			Concrete No Information Steel			Iron Other Stone Masonry Prestressed Concrete Wood

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: AntiAircraftArtillerySite (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AntiAircraftArtillerySite (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 AntiAircraftArtillerySite (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 AntiAircraftArtillerySite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AntiAircraftArtillerySite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AntiAircraftArtillerySite (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AntiAircraftArtillerySite (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AntiAircraftArtillerySite (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)
 AntiAircraftArtillerySite (Area) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 AntiAircraftArtillerySite (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 AntiAircraftArtillerySite (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature AntiAircraftArtillerySite (Point)

New ☐ Anti-aircraft Artillery Site

A site and related facilities (for example: buildings and/or radar equipment) for storing and launching anti-aircraft artillery. [Description] Walls, if any, that surround the site are typically used as the basis for delineation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL121	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL121						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Air Force Marines			Army Navy			Coastguard No Information Joint Other
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).

<i>allowed values:</i>	Brick	Concrete	Iron	Masonry		
	Metal	No Information	Other	Prestressed Concrete		
	Reinforced Concrete	Steel	Stone	Wood		
Width	1	-999999.0	REAL	Metre	0	<p>The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane.</p> <p>[Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.</p>

allowed values: -999999.0

- Relationships:**
- AntiAircraftArtillerySite (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 - AntiAircraftArtillerySite (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 - AntiAircraftArtillerySite (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 - AntiAircraftArtillerySite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 - AntiAircraftArtillerySite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 - AntiAircraftArtillerySite (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 - AntiAircraftArtillerySite (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 - AntiAircraftArtillerySite (Point) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup)
 - AntiAircraftArtillerySite (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 - AntiAircraftArtillerySite (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 - AntiAircraftArtillerySite (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Apron (Area)New ☐ Apron

A defined area, on a land aerodrome/heliport, intended to accommodate aircraft/helicopters for purposes of loading and unloading passengers, mail or cargo, and for fuelling, parking or maintenance.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Pavement Information : Aerodrome Movement Area Surface Category	1	No Information	Enumeration	Unitless	0	The level of preparation of the aerodrome movement area surface, as a category. [Description] Common category types may range from natural to completely paved.
<i>allowed values:</i>			Completely Paved Partially Paved	Mostly Paved Unpaved	No Information Unprepared	Other
Aerodrome Pavement Information : Aerodrome Movement Area Surface Composition	3	No Information	Enumeration	Unitless	0	The type of the predominant material of which a surface of the movement area is composed. [Description] Example surfaces include: asphalt, concrete, or grass.
<i>allowed values:</i>			Asphalt Clay Gravel Macadam Other Stone	Asphalt Over Concrete Concrete Ice Membrane Pierced Steel Planking Water	Bituminous Mix Coral Landing Mat No Information Sand Wood	Brick Earthen Laterite Non-bituminous Mix Snow
Aerodrome Pavement Information : Aerodrome Movement Area Surface Preparation Method	3	No Information	Enumeration	Unitless	0	The preparation technique(s) applied to a surface composition.
<i>allowed values:</i>			Aggregate Seal Coat No Information Rolled	Graded Oiled Rubberized Seal Coat	Grass Other	Grooved Porous Friction Course
Aerodrome Pavement Information : Aerodrome Pavement Functional Status	1	No Information	Enumeration	Unitless	0	The functional status of the pavement of an aerodrome movement area. [Description] An aerodrome movement area is that part of an aerodrome to be used for aircraft movement operations, consisting of the manoeuvring area and the apron(s).

<i>allowed values:</i>	Excellent Good Estimated Under Construction		Fair No Information Unserviceable			Fair Estimated Poor	Good Poor Estimated
Aerodrome Surface Status	1	No Information	Enumeration	Unitless	0	The operational status of an aerodrome movement area, as a category. [Description] For example: serviceable, unserviceable, closed, or work-in-progress.	
<i>allowed values:</i>	Closed Work in Progress		No Information			Open	Parked or Disabled Aircraft
Apron Type	1	No Information	Enumeration	Unitless	0	The type of an apron based upon its location on an aerodrome and its general purpose.	
<i>allowed values:</i>	Cargo Military Remote Parking		Dispersal No Information Services and/or Hangar			General Aviation Other	Holding Passenger
Apron Usage	3	No Information	Enumeration	Unitless	0	The function(s) that may be performed on an apron.	
<i>allowed values:</i>	Alert Engine Run Up INS Alignment Other		Compass Rose Firing-In Loading and/or Unloading Parking			Decontamination Fuelling Maintenance Transient	De-icing and/or Anti-icing Hot Refuelling No Information Weapon Loading
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.	
<i>allowed values:</i>	-999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).	
<i>allowed values:</i>	noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.	
<i>allowed values:</i>	[-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.	
<i>allowed values:</i>	noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.	
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	GB015	CONSTRAINED_STRING	Unitless	5	Feature Code	
<i>allowed values:</i>	GB015						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.	
<i>allowed values:</i>	noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i>	No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2	
<i>allowed values:</i>	No Information		Other				

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC

allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Apron (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Apron (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Apron (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Apron (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Apron (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Apron (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Apron (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Apron (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Apron (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Apron (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature AquaticVegetation (Area)

New ☐ Aquatic Vegetation

A region of waterborne cellular or vascular plants (for example: algae, grasses, reeds, and water hyacinths). [Description] The vegetation may moored (for example: sea grass and reeds) or floating (for example: sargasso and water hyacinths).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Dangerous to Navigation	1	No Information	Boolean	Unitless	0	An indication that a hazard in a waterbody is considered to be dangerous to surface navigation. [Description] For example, broken piles, a rock formation, or a reef in moderately deep waters. For large vessels a depth of less than 20 metres is generally considered to be dangerous.
	<i>allowed values:</i> False			No Information			True
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	BD061	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BD061						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Floating	1	No Information	Boolean	Unitless	0	An indication that an object is floating.
	<i>allowed values:</i> False			No Information			True
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

allowed values: No Information

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformationallowed values: pimGUID

Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
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allowed values: Algae
No Information
Sargassum

Kelp
Other
Sea-tangle

Mangrove
Posidonia
Water Hyacinth

Nipa
Reed

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: AquaticVegetation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AquaticVegetation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 AquaticVegetation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 AquaticVegetation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AquaticVegetation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AquaticVegetation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AquaticVegetation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AquaticVegetation (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 AquaticVegetation (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 AquaticVegetation (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature AquaticVegetation (Point)

New ☐ Aquatic Vegetation

A region of waterborne cellular or vascular plants (for example: algae, grasses, reeds, and water hyacinths). [Description] The vegetation may moored (for example: sea grass and reeds) or floating (for example: sargasso and water hyacinths).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
Dangerous to Navigation	1	No Information	Boolean	Unitless	0	An indication that a hazard in a waterbody is considered to be dangerous to surface navigation. [Description] For example, broken piles, a rock formation, or a reef in moderately deep waters. For large vessels a depth of less than 20 metres is generally considered to be dangerous.
allowed values: False			No Information			True
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						
New Feature Code	1	BD061	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BD061						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
allowed values: noInformation						
Floating	1	No Information	Boolean	Unitless	0	An indication that an object is floating.
allowed values: False			No Information			True

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<i>allowed values:</i> Algae No Information Sargassum			Kelp Other Sea-tangle			Mangrove Posidonia Water Hyacinth Nipa Reed
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: AquaticVegetation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AquaticVegetation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 AquaticVegetation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 AquaticVegetation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AquaticVegetation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AquaticVegetation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AquaticVegetation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AquaticVegetation (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)
 AquaticVegetation (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 AquaticVegetation (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Aqueduct (Area)

New ☐ Aqueduct

A pipe or artificial channel that is designed to transport water from a remote source, usually by gravity, for freshwater supply, agricultural, and/or industrial use. [Description] It may be supported by a bridge.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999.0 <i>allowed values:</i> -999999.0						
Aqueduct Type	1	No Information	Enumeration	Unitless	0	The type of an aqueduct based on its structure.
<i>allowed values:</i> No Information Underwater			Qanat			Surface Underground
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate Other			Left Right			No Flow No Information
<i>allowed values:</i> Indeterminate Other			Left Right			No Flow No Information
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information

	Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
	Covered Drain Length	1	-999999.0	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i> <i>-999999.0</i>						
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> <i>-999999.0</i>						
	Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
	<i>allowed values:</i> <i>-999999</i>						
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> <i>-999999.0</i>						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> <i>noInformation</i>						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BH010	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> <i>BH010</i>						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> <i>noInformation</i>						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> <i>No Information</i>						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> <i>No Information</i>			Other			
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<u>allowed values:</u> Dry Intermittent No Information Perennial						
Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<u>allowed values:</u> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<u>allowed values:</u> False No Information True						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999.0						
Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<u>allowed values:</u> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False No Information True						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999.0						

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Predominant Average Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i>	-999999.0					
Predominant Maximum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	-999999.0					
Predominant Maximum Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i>	-999999.0					
Predominant Minimum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	-999999.0					
Predominant Minimum Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i>	-999999.0					
Predominant Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	[-999999.0, -999999.0]					
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i>	[-999999.0, -999999.0]					
<i>allowed values:</i>	[-999999.0, -999999.0]					
Inland Waterbody Bank : Predominant Waterbody Bank Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i>	[-999999.0, -999999.0]					
<i>allowed values:</i>	[-999999.0, -999999.0]					
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i>	Depressed Raised		Level			No Information Not Applicable
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False			No Information			True
<i>allowed values:</i> False			No Information			True
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.

<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
<i>allowed values:</i> Large Small						
<i>allowed values:</i> Moderate						
<i>allowed values:</i> No Information						
<i>allowed values:</i> Other						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable						
<i>allowed values:</i> No Information Treatable						
<i>allowed values:</i> Nonpotable						
<i>allowed values:</i> Other						
New Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
<i>allowed values:</i> From All Sides No Information						
<i>allowed values:</i> From Left						
<i>allowed values:</i> From Right						
<i>allowed values:</i> No Accessibility						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Seawater						
<i>allowed values:</i> Brackish No Information						
<i>allowed values:</i> Brine Not Applicable						
<i>allowed values:</i> Fresh Saline						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic						
<i>allowed values:</i> Commercial Livestock Other						
<i>allowed values:</i> Domestic Irrigation Military Power Generation						
<i>allowed values:</i> Industrial Municipal Recreational						
Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
<i>allowed values:</i> -999999.0						

allowed values: -999999.0

Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
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allowed values: [-999999.0, -999999.0]*allowed values:* [-999999.0, -999999.0]

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Aqueduct (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Aqueduct (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Aqueduct (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Aqueduct (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Aqueduct (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Aqueduct (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Aqueduct (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Aqueduct (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Aqueduct (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Aqueduct (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Aqueduct (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature Aqueduct (Line)New ☐ Aqueduct

A pipe or artificial channel that is designed to transport water from a remote source, usually by gravity, for freshwater supply, agricultural, and/or industrial use. [Description] It may be supported by a bridge.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999.0 <i>allowed values:</i> -999999.0						
Aqueduct Type	1	No Information	Enumeration	Unitless	0	The type of an aqueduct based on its structure.
<i>allowed values:</i> No Information Underwater			Qanat			Surface Underground
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate Other			Left Right			No Flow No Information

		<i>allowed values:</i> Indeterminate Other		Left Right	No Flow	No Information	
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999.0						
	Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
	<i>allowed values:</i> False			No Information		True	
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private		Military Public	No Information
	Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i> False			No Information		True	
	Covered Drain Length	1	-999999.0	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
	Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
	<i>allowed values:</i> -999999						
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	BH010	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH010						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Historical Original No Information Unverified Transliterated							
Historical Transliterated Other Variant Original							
Native Original Provisional Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<u>allowed values:</u> Dry							
Intermittent							
No Information							
Perennial							
	Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<u>allowed values:</u> False							
No Information							
True							

Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	
					Dismantled	
Predominant Average Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Maximum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Maximum Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Water Depth	1	[-999999.0, - 999999.0]	Real_Interval	Metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, - 999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						

Inland Waterbody Bank : Predominant Waterbody Bank Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed Raised						
Level						
No Information						
Not Applicable						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False						
No Information						
True						
<i>allowed values:</i> False						
No Information						
True						
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Marshy Sandy						
Erosion Rubble Mud						
Ice						
No Information						
Mangrove						
Other						
<i>allowed values:</i> Building Rubble Marshy Sandy						
Erosion Rubble Mud						
Ice						
No Information						
Mangrove						
Other						
Shingly						
Stony						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
<i>allowed values:</i> Large Small			Moderate		No Information	Other
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						

Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
New Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
<i>allowed values:</i> From All Sides No Information			From Left			From Right No Accessibility
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Seawater			Brackish No Information			Brine Not Applicable Fresh Saline
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational
Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
<i>allowed values:</i> -999999.0 <i>allowed values:</i> -999999.0						
Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
<i>allowed values:</i> [-999999.0, -999999.0] <i>allowed values:</i> [-999999.0, -999999.0]						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Aqueduct (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Aqueduct (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Aqueduct (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Aqueduct (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Aqueduct (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Aqueduct (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Aqueduct (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Aqueduct (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Aqueduct (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Aqueduct (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Aqueduct (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Aqueduct (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)

Feature AqueductAON (Area)

New ☒ Aqueduct Area of Numerous

Area of numerous pipes or artificial channels designed to transport water from a remote source(s), usually by gravity, for freshwater supply, agricultural, and/or industrial use.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aqueduct Type	1	No Information	Enumeration	Unitless	0	The type of an aqueduct based on its structure.
<i>allowed values:</i> No Information Underwater			Qanat			Surface Underground
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
<i>allowed values:</i> False			No Information			True
Covered Drain Length	1	-999999.0	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.
<i>allowed values:</i> -999999.0						
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
<i>allowed values:</i> -999999						

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> <i>noInformation</i>						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	NM010	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> <i>NM010</i>						
	Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.
	<u>allowed values:</u> <i>-999999</i>						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> <i>noInformation</i>						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry			Intermittent			No Information Perennial
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> <i>-999999.0</i>						
	Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
	<u>allowed values:</u> <i>-999999.0</i>						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Predominant Average Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed Raised			Level			No Information Not Applicable
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other

New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
<i>allowed values:</i> <i>From All Sides</i> <i>From Left</i> <i>From Right</i> <i>No Accessibility</i> No Information							
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Brackish Brine Fresh Mineral No Information Not Applicable Other Saline Seawater							
	Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Commercial Domestic Irrigation Industrial Institutional Livestock Military Municipal No Information Other Power Generation Recreational Sanitary Domestic							
	Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
<i>allowed values:</i> [-999999.0, -999999.0] <i>allowed values:</i> [-999999.0, -999999.0]							

Relationships: AqueductAON (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
AqueductAON (Area) - has dataset metadata in - Zero or one - Dataset (Area)
AqueductAON (Area) - has dataset metadata in - Zero or one - Dataset (Table)
AqueductAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
AqueductAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
AqueductAON (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
AqueductAON (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
AqueductAON (Area) - is a member of group - Exactly one - HydrographyAON (FeatureGroup)
AqueductAON (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)

Feature Aquifer (Area)

New ☐ **Aquifer**

An underground layer of water-bearing permeable rock or unconsolidated materials (for example: gravel, sand, silt, or clay). [Description] It may yield economically significant quantities of groundwater to wells and springs.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquifer Composition	3	No Information	Enumeration	Unitless	0	The type(s) of permeable geologic formation that composes the aquifer. [Description] The ability of the aquifer to store water is dependent on the porosity and permeability of the aquifer composition.
<i>allowed values:</i> Basalt Boulders Clay Conglomerate Dolomite Granite Gravel Igneous Rock Karst Limestone Marl Metamorphic Rock Mud No Information Other Sand Sandstone Schist Semi-consolidated and Consolidated Volcanic Ash Shale Unconsolidated Volcanic Rock						
Aquifer Depth	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The distance between the terrain surface and the upper surface of the aquifer.
<i>allowed values:</i> [-999999.0, -999999.0]						
Aquifer Name	1	No Information	String	Unitless	2E+09	The common or scientific name of an aquifer.
<i>allowed values:</i> No Information						
Aquifer Overburden	3	No Information	Enumeration	Unitless	0	The type(s) and/or morphology(ies) of terrain material that overlie an aquifer.

<i>allowed values:</i>	Basalt Dolomite Karst Mud Sandstone Unconsolidated	Boulders Granite Limestone No Information Schist Volcanic Rock	Clay Gravel Marl Other Semi-consolidated and Consolidated Volcanic Ash	Conglomerate Igneous Rock Metamorphic Rock Sand Shale		
Aquifer Thickness	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The distance between the upper and lower surfaces of an aquifer. [Description] The value describes the vertical extent of the completely saturated portion of the aquifer.
<i>allowed values:</i> [-999999.0, -999999.0]						
Aquifer Yield Rating	1	[-999999.0, -999999.0]	REAL_INTERVAL	litrePerMinute	0	The estimated typical long-term yield from a single, properly sited and constructed well in the aquifer.
<i>allowed values:</i> [-999999.0, -999999.0]						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
New Confined	1	No Information	Boolean	Unitless	0	An indication that an aquifer is overlain by a confining bed consisting of a layer of rock, or of unconsolidated sediments, that possesses a very low hydraulic conductivity and thus retards the movement of water into and out of the aquifer. [Description] A confined aquifer is under pressure so that when the aquifer is penetrated by a well, the water will rise above the top of the aquifer. The water level in a well open to a specific confined aquifer stands at the level of the potentiometric surface. If the potentiometric surface is above land, the well is often considered as a free-flowing artesian well.
<i>allowed values:</i> False						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>		Civilian Other	Joint Military and Civilian Private	Military Public	No Information	
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BH116	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH116						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
New	Groundwater Potential Score	1	No Information	Enumeration	Unitless	0	An overall assessment of an area's potential for successful well development based on the following factors: depth to aquifer, aquifer thickness, probable yields, aquifer material, overburden material, and water quality.
	<u>allowed values:</u> Good Unsuitable			Moderate			No Information Poor
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999.0						
	Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999.0						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
New Water Recharge Rate	1	[-999999.0, -999999.0]	Real_Interval	Thousand Cu M per Annum		The rate at which water enters an aquifer either naturally or artificially. [Description] Groundwater from the natural water cycle returns to an aquifer after infiltration and percolation through upper ground layers. Groundwater or reclaimed water may be artificially routed below the surface to recharge an aquifer more quickly.
<i>allowed values:</i> [-999999.0, -999999.0]						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Seawater Brackish No Information Brine Not Applicable Fresh Saline						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
New Water Withdrawal Rate	1	[-999999.0, -999999.0]	Real_Interval	Thousand Cu M per Annum		The rate at which water is removed from a resource for use. [Description] Water may be removed by manual or mechanical means, and may be used (for example) for irrigation, watering livestock, industrial or domestic use. Note: This does not include baseflow (that is, flow out of the aquifer into rivers or streams lying below the level of the aquifer).
<i>allowed values:</i> [-999999.0, -999999.0]						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Aquifer (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Aquifer (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Aquifer (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Aquifer (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Aquifer (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Aquifer (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Aquifer (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Aquifer (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Aquifer (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Aquifer (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Aquifer (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Aquifer (Area) - is a member of group - Exactly one - SubterraneanSrf (FeatureGroup)

Feature Arcade (Area)New ☐ Arcade

A covered pedestrian route composed of arches and pillars, usually open along one or both sides.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ151	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ151						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: *No Information**Other*

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: Arcade (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Arcade (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Arcade (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Arcade (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Arcade (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Arcade (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Arcade (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Arcade (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Arcade (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature **Arcade (Line)** New ☐ **Arcade**

A covered pedestrian route composed of arches and pillars, usually open along one or both sides.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ151	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> AQ151
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set. <i>allowed values:</i> noInformation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end. <i>allowed values:</i> No Information

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: *No Information**Other*

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: Arcade (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Arcade (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Arcade (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Arcade (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Arcade (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Arcade (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Arcade (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Arcade (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Arcade (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature ArcheologicalSite (Area) New ☐ Archeological Site

A site where remains of past civilizations or human activity have been discovered.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AL012	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL012						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: ArcheologicalSite (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ArcheologicalSite (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ArcheologicalSite (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ArcheologicalSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ArcheologicalSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ArcheologicalSite (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ArcheologicalSite (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ArcheologicalSite (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ArcheologicalSite (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ArcheologicalSite (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ArcheologicalSite (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ArcheologicalSite (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature ArcheologicalSite (Point) New ☐ Archeological Site

A site where remains of past civilizations or human activity have been discovered.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AL012	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL012						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll

allowed values: [U](#)

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: [No Information](#)[Other](#)

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMDissem
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allowed values: [noInformation](#)

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMNonIC
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allowed values: [noInformation](#)

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMOwnerProducer
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allowed values: [noInformation](#)

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques))' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques))' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: [noInformation](#)

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: [noInformation](#)*allowed values:* [pimGUID](#)

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: [noInformation](#)

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: [-999999.0](#)

Relationships: ArcheologicalSite (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ArcheologicalSite (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 ArcheologicalSite (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 ArcheologicalSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ArcheologicalSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ArcheologicalSite (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ArcheologicalSite (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ArcheologicalSite (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ArcheologicalSite (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ArcheologicalSite (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ArcheologicalSite (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ArcheologicalSite (Point) - is a member of group - Exactly one - CulturePnt (FeatureGroup)

Feature AsphaltLake (Area)New ☐ Asphalt Lake**A natural accumulation of liquid asphalt.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	DA005	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DA005						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Length		1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0								
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information								
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information								
Navigation Landmark		1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False								
Restriction Information : Security Attributes Group <resource classification>		1	U	No Information CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll	True
<i>allowed values:</i> U								
Feature Metadata : Process Step Information : Resource Content Originator		1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information								
Restriction Information : Security Attributes Group <resource dissemination controls>		1	noInformation	Other StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem	
<i>allowed values:</i> noInformation								
Restriction Information : Security Attributes Group <resource non-intelligence community markings>		1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC	
<i>allowed values:</i> noInformation								
Restriction Information : Security Attributes Group <resource owner-producer>		1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer	
<i>allowed values:</i> noInformation								

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: AsphaltLake (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AsphaltLake (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 AsphaltLake (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 AsphaltLake (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AsphaltLake (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AsphaltLake (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AsphaltLake (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AsphaltLake (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 AsphaltLake (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 AsphaltLake (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature AstronomicalObservatory (Area)

New ☐ Astronomical Observatory

A building designed and equipped (for example: with a telescope) for making observations of celestial objects (including the earth in relation to them), of space, and of the universe as a whole. [Description] Typically incorporates a dome-shaped covering that may be opened in order to expose instruments to the sky or closed to protect them from the weather.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AL142	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL142						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Education Other Hobbies and/or Leisure Activities Scientific Research and Development No Information Observation Station						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genclink http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original Historical Original No Information Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999.0

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Telescope Type	1	No Information	Enumeration	Unitless	0	The type of a telescope based on its design, structure and/or intended use.
<i>allowed values:</i> No Information Radio Aerial Array			Optical			Other Parabolic Radio Aerial

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: AstronomicalObservatory (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AstronomicalObservatory (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 AstronomicalObservatory (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 AstronomicalObservatory (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AstronomicalObservatory (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AstronomicalObservatory (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AstronomicalObservatory (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AstronomicalObservatory (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 AstronomicalObservatory (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 AstronomicalObservatory (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 AstronomicalObservatory (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 AstronomicalObservatory (Area) - is a member of group - Exactly one - StructureSrf (FeatureGroup)

Feature AstronomicalObservatory (Point)New ☐ Astronomical Observatory

A building designed and equipped (for example: with a telescope) for making observations of celestial objects (including the earth in relation to them), of space, and of the universe as a whole. [Description] Typically incorporates a dome-shaped covering that may be opened in order to expose instruments to the sky or closed to protect them from the weather.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL142	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL142						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

<i>allowed values:</i> Education Other		Hobbies and/or Leisure Activities Scientific Research and Development		No Information		Observation Station	
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
Geographic Name Information : Full Name		1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
Geographic Name Information : Geographic Name Type		1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
Height Above Surface Level		1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
Highest Elevation		1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
Length		1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
Navigation Landmark		1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False							
<i>allowed values:</i> No Information				<i>allowed values:</i> True			

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i>	Conical No Information Pyramidal		Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Telescope Type	1	No Information	Enumeration	Unitless	0	The type of a telescope based on its design, structure and/or intended use.

allowed values: No Information
Radio Aerial Array

Optical

Other

Parabolic Radio Aerial

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: AstronomicalObservatory (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 AstronomicalObservatory (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 AstronomicalObservatory (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 AstronomicalObservatory (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 AstronomicalObservatory (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 AstronomicalObservatory (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 AstronomicalObservatory (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 AstronomicalObservatory (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 AstronomicalObservatory (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 AstronomicalObservatory (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 AstronomicalObservatory (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 AstronomicalObservatory (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature Barn (Area)

New ☐ Barn

A roofed farm building designed for sheltering harvested crops (for example: hay), livestock (for example: cattle), and/or farm machinery (for example: tractors and plows).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						

	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AJ085	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AJ085						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Agriculture No Information Warehousing and Storage			Animal Boarding Other			Dairying Raising of Animals Growing of Crops Recreation
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Floor Count	1	-999999	Integer	Unitless	0	The number of floors in a structure (for example: a building).
	<i>allowed values:</i> -999999						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal						
Domed Other Sawtoothed						
Flat Pitched Semi-cylindrical						
Flat with Clerestory Pitched with Clerestory With Clerestory						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation**allowed values:* *pimGUID*

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Adobe Brick Masonry Prestressed Concrete Stone						
Brick Metal Reinforced Concrete Wood						
Concrete No Information Sod						
Iron Other Steel						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: *-999999.0*

Relationships: Barn (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Barn (Area) - has dataset metadata in - Zero or one - Dataset (Area)
Barn (Area) - has dataset metadata in - Zero or one - Dataset (Table)
Barn (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Barn (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Barn (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Barn (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Barn (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Barn (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Barn (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Barn (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature Barn (Point)

New ☐ Barn

A roofed farm building designed for sheltering harvested crops (for example: hay), livestock (for example: cattle), and/or farm machinery (for example: tractors and plows).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ085	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ085						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Agriculture No Information Warehousing and Storage			Animal Boarding Other			Dairying Raising of Animals Growing of Crops Recreation
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Floor Count	1	-999999	Integer	Unitless	0	The number of floors in a structure (for example: a building).
<i>allowed values:</i> -999999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll

allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<u>allowed values:</u> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformationallowed values: pimGUID

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
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<i>allowed values:</i>	Adobe Brick	Brick	Concrete	Iron		
	Masonry	Metal	No Information	Other		
	Prestressed Concrete	Reinforced Concrete	Sod	Steel		
	Stone	Wood				
Width	1	-999999.0	REAL	metre	0	<p>The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane.</p> <p>[Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.</p>

allowed values: -999999.0

Relationships: Barn (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Barn (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Barn (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Barn (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Barn (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Barn (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Barn (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Barn (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Barn (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Barn (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Barn (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Barn (Point) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup)

Feature BasinGate (Line)New ☐ Basin Gate**A gate that impounds water within a basin or chamber that is used by watercraft. [Description] For example, gates used at locks or dry docks.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
Basin Gate Type	1	No Information	Enumeration	Unitless	0	The type of a basin gate based on its structure and/or intended use.
<u>allowed values:</u>		Caisson Tide Lock	Lock Gate	No Information		Other
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u>		No Information Partially Operational	Non-operational Planned	Not in Operation Temporarily Non-operational		Operational
New Feature Code	1	BI045	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BI045						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
New	<u>allowed values:</u> noInformation (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information		Other				
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False		No Information				True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact		Damaged No Information		Destroyed Unmaintained		Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Concrete Other Treated Timber			Iron Prestressed Concrete Wood			Metal Reinforced Concrete No Information Steel
Thickness	1	-999999.0	REAL	metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: BasinGate (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BasinGate (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 BasinGate (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 BasinGate (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BasinGate (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BasinGate (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BasinGate (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BasinGate (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BasinGate (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BasinGate (Line) - is a member of group - Exactly one - TransportationWaterCrv (FeatureGroup)

Feature BasinGate (Point) New ☐ Basin Gate

A gate that impounds water within a basin or chamber that is used by watercraft. [Description] For example, gates used at locks or dry docks.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Basin Gate Type	1	No Information	Enumeration	Unitless	0	The type of a basin gate based on its structure and/or intended use.
<i>allowed values:</i> Caisson Tide Lock			Lock Gate			No Information Other
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI045	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI045						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/scheme/ic/ism/7.0.0/CVEnumISMClassificationAll
	<u>allowed values:</u> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Concrete Other Treated Timber			Iron Prestressed Concrete Wood			Metal Reinforced Concrete No Information Steel
Thickness	1	-999999.0	REAL	metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: BasinGate (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BasinGate (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 BasinGate (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 BasinGate (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BasinGate (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BasinGate (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BasinGate (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BasinGate (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BasinGate (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BasinGate (Point) - is a member of group - Exactly one - TransportationWaterPnt (FeatureGroup)

Feature Beach (Area)New ☐ Beach

On a shore, the area on which the waves break and over which shore debris (for example: sand, shingle, and/or pebbles) accumulate. [Description] A beach includes backshore and foreshore.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BA050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BA050						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>	Conventional		Historical Original			Historical Transliterated
	Native Transliterated		No Information			Other
	Unverified Original		Unverified Transliterated			Variant Original
						Native Original
						Provisional
						Variant Transliterated

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Maritime Bottom Characteristic (first material quality)	1	No Information	Enumeration	Unitless	0	The physical characteristic(s) (for example: particle size, morphology or consistency) of the primary type of material composing a feature. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Bare Broken Calcareous Coarse Decayed Fine Flinty Glacial Gritty Ground Hard Irregular Large Medium Mobile Bottom No Information Other Rocky Rotten Small Soft Speckled Sticky Stiff Streaky Tenacious Varied Volcanic						
<i>allowed values:</i> Bare Broken Calcareous Coarse Decayed Fine Flinty Glacial Gritty Ground Hard Irregular Large Medium Mobile Bottom No Information Other Rocky Rotten Small Soft Speckled Sticky Stiff Streaky Tenacious Varied Volcanic						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer

allowed values: *noInformation*

Maritime Bottom Characteristic (First Sediment Colour)	1	No Information	Enumeration	Unitless	0	The general colour of a waterbody sediment based on the Geological Society of America (GSA) rock colour chart and the Munsell colour system. [Description] The Munsell system is based on a colour solid, or approximately a colour sphere, which has a neutral gray central axis grading from white at the top to black at the bottom. This property of lightness is called value. Around the circumference or equator of the solid are the ten major hues, each of which is divided into ten numbered divisions, so that 5 marks the middle of the hue, and 10 marks the boundary between one hue and the next. Thus, any particular hue can be designated by a number and a letter such as 5R or 10YR. Any single vertical section through the neutral gray axis and a particular hue constitutes a colour chart on which the colors grade in value from light at the top to dark at the bottom, and in chroma (degree of saturation) from gray at one edge to the most vivid colors out at the margin. Both value and chroma are numbered so any particular colour can be given a numerical designation representing hue, value, and chroma such as 5R 6/4 and 10YR 8/2. Colour names are based on the Inter-Society Color Council-National Bureau of Standards system of names.
<i>allowed values:</i>						
Black			Brilliant Green			Dark Greenish Yellow
Dark Yellowish Green			Dusky Blue Green			Dusky Green
Dusky Yellow			Dusky Yellowish Green			Grayish Green
Grayish Red			Grayish Yellow			Grayish Yellowish Green
Light Blue Green			Light Green			Light Olive
Light Red			Light Yellowish Green			Moderate Grayish Green
Moderate Greenish Yellow			Moderate Olive Brown			Moderate Orange Pink
Moderate Red			Moderate Reddish Brown			Moderate Reddish Orange
Moderate Yellowish Green			No Information			Other
Pale Green			Pale Greenish Yellow			Pale Olive
Pale Purple			Pale Red			Pale Red Purple
Pale Yellowish Green			Very Dark Red			Very Dusky Purple
Very Dusky Red Purple			Very Pale Green			White
<i>allowed values:</i>						
Black			Brilliant Green			Dark Greenish Yellow
Dark Yellowish Green			Dusky Blue Green			Dusky Green
Dusky Yellow			Dusky Yellowish Green			Grayish Green
Grayish Red			Grayish Yellow			Grayish Yellowish Green
Light Blue Green			Light Green			Light Olive
Light Red			Light Yellowish Green			Moderate Grayish Green
Moderate Greenish Yellow			Moderate Olive Brown			Moderate Orange Pink
Moderate Red			Moderate Reddish Brown			Moderate Reddish Orange
Moderate Yellowish Green			No Information			Other
Pale Green			Pale Greenish Yellow			Pale Olive
Pale Purple			Pale Red			Pale Red Purple
Pale Yellowish Green			Very Dark Red			Very Dusky Purple
Very Dusky Red Purple			Very Pale Green			White
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> <i>noInformation</i>						
Maritime Bottom Characteristic (First Material Type)	1	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.

<i>allowed values:</i>	Ash	Bedrock	Boulders	Calcareous
	Chalk	Cinders	Cirripedia	Clay
	Cobbles	Conglomerate	Coral	Coral Head
	Diatomaceous Earth	Foraminifera	Frozen Water	Fucus
	Gravel	Ground Shell	Lava	Loess
	Madrepore	Manganese	Marl	Matte
	Mud	Mussels	No Information	Ooze
	Other	Oysters	Pebbles	Plant Material
	Pumice	Quartz	Radiolaria	Rock
	Sand	Schist	Scoria	Sea Moss
	Shell	Shingle	Silt	Soil
	Spicules	Sponge	Stone	Tufa
	Volcanic Ash			
<i>allowed values:</i>	Ash	Bedrock	Boulders	Calcareous
	Chalk	Cinders	Cirripedia	Clay
	Cobbles	Conglomerate	Coral	Coral Head
	Diatomaceous Earth	Foraminifera	Frozen Water	Fucus
	Gravel	Ground Shell	Lava	Loess
	Madrepore	Manganese	Marl	Matte
	Mud	Mussels	No Information	Ooze
	Other	Oysters	Pebbles	Plant Material
	Pumice	Quartz	Radiolaria	Rock
	Sand	Schist	Scoria	Sea Moss
	Shell	Shingle	Silt	Soil
	Spicules	Sponge	Stone	Tufa
	Volcanic Ash			

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: Beach (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Beach (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Beach (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Beach (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Beach (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Beach (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Beach (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Beach (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)
 Beach (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Beach (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature **BeachLandingSite (Area)** New ☐ **Beach Landing Site**

A location on a beach suitable for the landing of troops and vehicles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BB150	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BB150						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
	<i>allowed values:</i> False			No Information			True
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<i>allowed values:</i> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: BeachLandingSite (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BeachLandingSite (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 BeachLandingSite (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 BeachLandingSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BeachLandingSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BeachLandingSite (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BeachLandingSite (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BeachLandingSite (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)
 BeachLandingSite (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 BeachLandingSite (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature BeachLandingSite (Point)

New ☐ Beach Landing Site

A location on a beach suitable for the landing of troops and vehicles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BB150	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BB150						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
	<i>allowed values:</i> False			No Information			True
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
	<i>allowed values:</i> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode

<u>allowed values:</u> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformationallowed values: pimGUID

Relationships: BeachLandingSite (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BeachLandingSite (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 BeachLandingSite (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 BeachLandingSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BeachLandingSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BeachLandingSite (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BeachLandingSite (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BeachLandingSite (Point) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup)
 BeachLandingSite (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 BeachLandingSite (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 BeachLandingSite (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature BeachProfile (Line)

New ☐ Beach Profile

A representation of the three dimensional relief of the beach along a line or series of connected lines.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BE050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BE050						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem

allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Relationships: BeachProfile (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BeachProfile (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 BeachProfile (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 BeachProfile (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BeachProfile (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BeachProfile (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BeachProfile (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BeachProfile (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)
 BeachProfile (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 BeachProfile (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Benchmark (Point)New ☐ Benchmark**A reference mark on a permanent object indicating elevation relative to an established datum.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: *noInformation*

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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	<u>allowed values:</u> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
New	Feature Code	1	ZB020	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> ZB020						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc. [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information		Destroyed Unmaintained	Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: *No Information**Other*

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Survey Control Point Type	1	No Information	Enumeration	Unitless	0	The type of a control point established by surveying methods based on method of establishment and/or intended use.
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allowed values: *Benchmark
Vertical Position**Horizontal Position**Horizontal Position and Benchmark**No Information*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation**allowed values:* *pimGUID*

Relationships: Benchmark (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Benchmark (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Benchmark (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Benchmark (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Benchmark (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Benchmark (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Benchmark (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Benchmark (Point) - is a member of group - Exactly one - HypsographyPnt (FeatureGroup)
 Benchmark (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Benchmark (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Berth (Point)

 New ☐ Berth

A named or numbered place where a vessel is moored at a wharf.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
	Berth Identifier	1	No Information	String	Unitless	254	The designated number or letter used to identify this feature.
	<i>allowed values:</i> No Information						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BB020	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BB020						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation

allowed values: pimGUID

Relationships: Berth (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Berth (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Berth (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Berth (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Berth (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Berth (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Berth (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Berth (Point) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup)
 Berth (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Berth (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Billboard (Point)New ☐ **Billboard**

A large outdoor board for advertisements. [Description] May be attached to another structure or self-supporting. Usually elevated so as to be seen for a significant distance.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AG050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AG050						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

<i>allowed values:</i>	Business and Personal Support Services	Convenience Store	Cultural, Arts and Entertainment	Education
	Financial Services	Food Service	Grocery	Human Health Activities
	Membership Organization	Motor Vehicle Repair	Navigation	No Information
	Other	Petrol Sale	Professional, Scientific and Technical	Public Administration
	Public Order, Safety and Security Services	Publishing and Broadcasting	Real Estate Activities	Religious Activities
	Restroom	Short-term Accommodation	Social Work	Sports, Amusement and Recreation
	Telecommunications			

New Feature Unique Identifier 1 noInformation StructuredText Unitless 254 When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Geographic Name Information : Full Name 1 No Information String Unitless 200 A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information

New (Location Country) Designation : GENC Short URN-based Identifier 1 No Information CodeList Unitless 24 The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at <http://nsgreg.nga.mil/gencl>. [Hyperlink] <http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2>

allowed values: No Information

Other

Geographic Name Information : Geographic Name Type 1 No Information Enumeration Unitless The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional	Historical Original	Historical Transliterated	Native Original
	Native Transliterated	No Information	Other	Provisional
	Unverified Original	Unverified Transliterated	Variant Original	Variant Transliterated

Height Above Surface Level 1 -999999.0 REAL metre 0 The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999.0

Height of Object 1 -999999.0 REAL metre 0 The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.

allowed values: -999999.0

Highest Elevation 1 -999999.0 REAL metre 0 The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999.0

Length 1 -999999.0 REAL metre 0 The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999.0

Note : Memorandum 1 No Information String Unitless 2E+09 A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEONT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Relationships: Billboard (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Billboard (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Billboard (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Billboard (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Billboard (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Billboard (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Billboard (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Billboard (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Billboard (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Billboard (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Billboard (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Billboard (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature BlastFurnace (Area)

New ☐ Blast-furnace

A smelting furnace in which a blast of air is used, especially one for iron-smelting using a compressed hot air blast.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						

Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i>	No Information		Non-operational		Operational	
	Partially Operational		Planned		Temporarily Non-operational	
New Feature Code	1	AC010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AC010					
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i>	noInformation					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i>	No Information		Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>	Conventional		Historical Original		Historical Transliterated	
	Native Transliterated		No Information		Other	
	Unverified Original		Unverified Transliterated		Variant Original	
					Native Original	
					Provisional	
					Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999.0					
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999.0					
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999.0					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
No Information						
Destroyed						
Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: BlastFurnace (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BlastFurnace (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 BlastFurnace (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 BlastFurnace (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BlastFurnace (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BlastFurnace (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BlastFurnace (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BlastFurnace (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BlastFurnace (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BlastFurnace (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature BlastFurnace (Point)New ☐ Blast-furnace**A smelting furnace in which a blast of air is used, especially one for iron-smelting using a compressed hot air blast.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False						
No Information						
True						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

<i>allowed values:</i>		Civilian Other	Joint Military and Civilian Private	Military Public	No Information		
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i>		noInformation					
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i>		No Information Partially Operational		Non-operational Planned	Not in Operation Temporarily Non-operational		Operational
New	Feature Code	1	AC010	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i>		AC010					
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i>		noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>		No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i>		No Information		Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>		Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>		-999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>		-999999.0					
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>		-999999.0					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEONT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: *noInformation*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: BlastFurnace (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BlastFurnace (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 BlastFurnace (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 BlastFurnace (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BlastFurnace (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BlastFurnace (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BlastFurnace (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BlastFurnace (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 BlastFurnace (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 BlastFurnace (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BlastFurnace (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BlastFurnace (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature Bog (Area)

New ☐ Bog

A permanently wet area of land consisting of incompletely decayed organic material and mainly stagnant fresh water. [Description] It is generally too soft to bear the weight of any heavy body. A subtype of the more generalized wetland.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> <i>-999999.0</i>						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<u>allowed values:</u> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> <i>noInformation</i>						
Bog Type	1	No Information	Enumeration	Unitless	0	The type of a bog or fen based on its morphology and/or dominant vegetation. [Description] A fen is similar to a bog but may have alkaline, neutral, or only slightly acid peaty soil whereas a bog is generally very acidic. In both cases the vegetation is usually dominated by peat mosses, ericaceous shrubs, and sedges.

<i>allowed values:</i> Atlantic Plateau Bog Domed Bog Lowland Polygon Bog Palsa Bog Shore Fen Veneer Bog							Basin Bog Fen <i>No Information</i> Peat Bog Slope Bog	Blanket Bog Flat Bog Northern Ribbed Fen Peat Plateau Bog Slope Fen	Cranberry Bog Horizontal Fen <i>Other</i> Polygonal Peat Plateau Bog String Bog	
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.				
<i>allowed values:</i> Bedrock <i>Other</i> Sand and Gravel							Clay and Silt Peat Sand over Mud	Gravel and Cobble Rocks and Boulders Silty Sands	<i>No Information</i> Sand Soil	
<i>New</i> Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.				
<i>allowed values:</i> [-999999, -999999]										
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.				
<i>allowed values:</i> -999999.0										
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.				
<i>allowed values:</i> -999999.0										
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).				
<i>allowed values:</i> Civilian <i>Other</i>							Joint Military and Civilian Private	Military Public	<i>No Information</i>	
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.				
<i>allowed values:</i> -999999.0										
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.				
<i>allowed values:</i> -999999.0										
<i>New</i> External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.				
<i>allowed values:</i> noInformation										
<i>New</i> Feature Code	1	BH015	CONSTRAINED_STRING	Unitless	5	Feature Code				
<i>allowed values:</i> BH015										
<i>New</i> Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.				
<i>allowed values:</i> noInformation										
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.				
<i>allowed values:</i> No Information										

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<u>allowed values:</u> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<u>allowed values:</u> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<u>allowed values:</u> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<u>allowed values:</u> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<u>allowed values:</u> noInformation						
<u>allowed values:</u> pimGUID						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<u>allowed values:</u> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.

allowed values: -999999.0

Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
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allowed values: -999999.0

Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
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allowed values: Contaminated PotableNo Information
Treatable

Nonpotable

Other

Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
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allowed values: Alkaline
Mineral
SalineBrackish
No Information
SeawaterBrine
Not ApplicableFresh
Other

Water Resource Information : Water Use	1	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
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allowed values: Agricultural Irrigation
Institutional
No Information
Sanitary DomesticCommercial
Livestock
OtherDomestic Irrigation
Military
Power GenerationIndustrial
Municipal
Recreational

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Bog (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Bog (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Bog (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Bog (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Bog (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Bog (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Bog (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Bog (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Bog (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Bog (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Bog (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Bog (Area) - is a member of group - Exactly one - VegetationSrf (FeatureGroup)

Feature Borehole (Point)

New ☐ Borehole

An excavation drilled into the ground for purposes other than the extraction of potable water, oil, gas or brine. [Description] For example, drilled to support the underground testing of munitions, for coring or sampling of bedrock or ice for scientific purposes, or drilled for the injection of waste material.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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<i>allowed values:</i> [-999999, -999999]						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned Not in Operation Temporarily Non-operational Operational			
New Feature Code	1	AA045	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AA045						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated			
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Rig Present	1	No Information	Boolean	Unitless	0	An indication that a rig is present. [Description] A rig is a superstructure fitted for drilling or lifting operations for extraction and/or exploitation of natural resources.
<i>allowed values:</i> False			No Information			True
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: Borehole (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Borehole (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Borehole (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Borehole (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Borehole (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Borehole (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Borehole (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Borehole (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Borehole (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature BotanicGarden (Area)

New ☐ Botanic Garden

A culturally designated tract where plants are displayed.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	EA031	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EA031						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: BotanicGarden (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BotanicGarden (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 BotanicGarden (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 BotanicGarden (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BotanicGarden (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BotanicGarden (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BotanicGarden (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BotanicGarden (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BotanicGarden (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature BottomCharacterRegion (Area)

New ☐ Bottom Characteristic Region

A region of a waterbody bottom that is homogeneous with respect to a measurement (for example: consistency, color, and/or composition).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BF010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BF010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Maritime Bottom Characteristic (first material quality)	1	No Information	Enumeration	Unitless	0	The physical characteristic(s) (for example: particle size, morphology or consistency) of the primary type of material composing a feature. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Bare Decayed Gritty Large Other Soft Streaky			Broken Fine Ground Medium Rocky Speckled Tenacious			Calcareous Flinty Hard Mobile Bottom Rotten Sticky Varied Coarse Glacial Irregular No Information Small Stiff Volcanic
<i>allowed values:</i> Bare Decayed Gritty Large Other Soft Streaky			Broken Fine Ground Medium Rocky Speckled Tenacious			Calcareous Flinty Hard Mobile Bottom Rotten Sticky Varied Coarse Glacial Irregular No Information Small Stiff Volcanic
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						

Maritime Bottom Characteristic (First Sediment Colour)	1	No Information	Enumeration	Unitless	0	The general colour of a waterbody sediment based on the Geological Society of America (GSA) rock colour chart and the Munsell colour system. [Description] The Munsell system is based on a colour solid, or approximately a colour sphere, which has a neutral gray central axis grading from white at the top to black at the bottom. This property of lightness is called value. Around the circumference or equator of the solid are the ten major hues, each of which is divided into ten numbered divisions, so that 5 marks the middle of the hue, and 10 marks the boundary between one hue and the next. Thus, any particular hue can be designated by a number and a letter such as 5R or 10YR. Any single vertical section through the neutral gray axis and a particular hue constitutes a colour chart on which the colors grade in value from light at the top to dark at the bottom, and in chroma (degree of saturation) from gray at one edge to the most vivid colors out at the margin. Both value and chroma are numbered so any particular colour can be given a numerical designation representing hue, value, and chroma such as 5R 6/4 and 10YR 8/2. Colour names are based on the Inter-Society Color Council-National Bureau of Standards system of names.
<i>allowed values:</i>						<div> <div>Black</div> <div>Dark Yellowish Green</div> <div>Dusky Yellow</div> <div>Grayish Red</div> <div>Light Blue Green</div> <div>Light Red</div> <div>Moderate Greenish Yellow</div> <div>Moderate Red</div> <div>Moderate Yellowish Green</div> <div>Pale Green</div> <div>Pale Purple</div> <div>Pale Yellowish Green</div> <div>Very Dusky Red Purple</div> </div> <div> <div>Brilliant Green</div> <div>Dusky Blue Green</div> <div>Dusky Yellowish Green</div> <div>Grayish Yellow</div> <div>Light Green</div> <div>Light Yellowish Green</div> <div>Moderate Olive Brown</div> <div>Moderate Reddish Brown</div> <div>No Information</div> <div>Pale Greenish Yellow</div> <div>Pale Red</div> <div>Very Dark Red</div> <div>Very Pale Green</div> </div> <div> <div>Dark Greenish Yellow</div> <div>Dusky Green</div> <div>Grayish Green</div> <div>Grayish Yellowish Green</div> <div>Light Olive</div> <div>Moderate Grayish Green</div> <div>Moderate Orange Pink</div> <div>Moderate Reddish Orange</div> <div>Other</div> <div>Pale Olive</div> <div>Pale Red Purple</div> <div>Very Dusky Purple</div> <div>White</div> </div> <div> <div>Dark Reddish Brown</div> <div>Dusky Red</div> <div>Grayish Orange Pink</div> <div>Greenish Olive</div> <div>Light Olive Brown</div> <div>Moderate Green</div> <div>Moderate Pink</div> <div>Moderate Yellow</div> <div>Pale Grayish Green</div> <div>Pale Pink</div> <div>Pale Reddish Brown</div> <div>Very Dusky Red</div> </div>
<i>allowed values:</i>						<div> <div>Black</div> <div>Dark Yellowish Green</div> <div>Dusky Yellow</div> <div>Grayish Red</div> <div>Light Blue Green</div> <div>Light Red</div> <div>Moderate Greenish Yellow</div> <div>Moderate Red</div> <div>Moderate Yellowish Green</div> <div>Pale Green</div> <div>Pale Purple</div> <div>Pale Yellowish Green</div> <div>Very Dusky Red Purple</div> </div> <div> <div>Brilliant Green</div> <div>Dusky Blue Green</div> <div>Dusky Yellowish Green</div> <div>Grayish Yellow</div> <div>Light Green</div> <div>Light Yellowish Green</div> <div>Moderate Olive Brown</div> <div>Moderate Reddish Brown</div> <div>No Information</div> <div>Pale Greenish Yellow</div> <div>Pale Red</div> <div>Very Dark Red</div> <div>Very Pale Green</div> </div> <div> <div>Dark Greenish Yellow</div> <div>Dusky Green</div> <div>Grayish Green</div> <div>Grayish Yellowish Green</div> <div>Light Olive</div> <div>Moderate Grayish Green</div> <div>Moderate Orange Pink</div> <div>Moderate Reddish Orange</div> <div>Other</div> <div>Pale Olive</div> <div>Pale Red Purple</div> <div>Very Dusky Purple</div> <div>White</div> </div> <div> <div>Dark Reddish Brown</div> <div>Dusky Red</div> <div>Grayish Orange Pink</div> <div>Greenish Olive</div> <div>Light Olive Brown</div> <div>Moderate Green</div> <div>Moderate Pink</div> <div>Moderate Yellow</div> <div>Pale Grayish Green</div> <div>Pale Pink</div> <div>Pale Reddish Brown</div> <div>Very Dusky Red</div> </div>
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Maritime Bottom Characteristic (First Material Type)	1	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.

<i>allowed values:</i>	Ash	Bedrock	Boulders	Calcareous			
	Chalk	Cinders	Cirripedia	Clay			
	Cobbles	Conglomerate	Coral	Coral Head			
	Diatomaceous Earth	Foraminifera	Frozen Water	Fucus			
	Gravel	Ground Shell	Lava	Loess			
	Madrepore	Manganese	Marl	Matte			
	Mud	Mussels	No Information	Ooze			
	Other	Oysters	Pebbles	Plant Material			
	Pumice	Quartz	Radiolaria	Rock			
	Sand	Schist	Scoria	Sea Moss			
	Shell	Shingle	Silt	Soil			
	Spicules	Sponge	Stone	Tufa			
	Volcanic Ash						
	<i>allowed values:</i>	Ash	Bedrock	Boulders	Calcareous		
		Chalk	Cinders	Cirripedia	Clay		
		Cobbles	Conglomerate	Coral	Coral Head		
		Diatomaceous Earth	Foraminifera	Frozen Water	Fucus		
Gravel		Ground Shell	Lava	Loess			
Madrepore		Manganese	Marl	Matte			
Mud		Mussels	No Information	Ooze			
Other		Oysters	Pebbles	Plant Material			
Pumice		Quartz	Radiolaria	Rock			
Sand		Schist	Scoria	Sea Moss			
Shell		Shingle	Silt	Soil			
Spicules		Sponge	Stone	Tufa			
Volcanic Ash							
Unique Entity Identifier		1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i>		noInformation					
<i>allowed values:</i>		pimGUID					
Vegetation Characteristic		1	No Information	Enumeration	Unitless	0	The type of a vegetated area based on species, biome, physiography and/or structural organization.
<i>allowed values:</i>	Algae	No Information	Other	Sea Grass			
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
<i>allowed values:</i>	-999999.0						

Relationships: BottomCharacterRegion (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BottomCharacterRegion (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 BottomCharacterRegion (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 BottomCharacterRegion (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BottomCharacterRegion (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BottomCharacterRegion (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BottomCharacterRegion (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BottomCharacterRegion (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 BottomCharacterRegion (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 BottomCharacterRegion (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature BottomCharacterRegion (Point)New ☐ Bottom Characteristic Region

A region of a waterbody bottom that is homogeneous with respect to a measurement (for example: consistency, color, and/or composition).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BF010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BF010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional		Historical Original		Historical Transliterated		Native Original	
Native Transliterated		No Information		Other		Provisional	
Unverified Original		Unverified Transliterated		Variant Original		Variant Transliterated	
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information	1	No Information	Enumeration	Unitless	0	The physical characteristic(s) (for example: particle size, morphology or consistency) of the primary type of material composing a feature. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.	
<i>allowed values:</i> Bare Decayed Gritty Large Other Soft Streaky			Broken Fine Ground Medium Rocky Speckled Tenacious			Calcareous Flinty Hard Mobile Bottom Rotten Sticky Varied	Coarse Glacial Irregular No Information Small Stiff Volcanic
<i>allowed values:</i> Bare Decayed Gritty Large Other Soft Streaky			Broken Fine Ground Medium Rocky Speckled Tenacious			Calcareous Flinty Hard Mobile Bottom Rotten Sticky Varied	Coarse Glacial Irregular No Information Small Stiff Volcanic
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ism/7.0.0/CVEnumISMClassificationAll	
<i>allowed values:</i> U	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ism/7.0.0/CVEnumISMDissem	
<i>allowed values:</i> noInformation			Other				

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Maritime Bottom Characteristic (First Sediment Colour)	1	No Information	Enumeration	Unitless	0	The general colour of a waterbody sediment based on the Geological Society of America (GSA) rock colour chart and the Munsell colour system. [Description] The Munsell system is based on a colour solid, or approximately a colour sphere, which has a neutral gray central axis grading from white at the top to black at the bottom. This property of lightness is called value. Around the circumference or equator of the solid are the ten major hues, each of which is divided into ten numbered divisions, so that 5 marks the middle of the hue, and 10 marks the boundary between one hue and the next. Thus, any particular hue can be designated by a number and a letter such as 5R or 10YR. Any single vertical section through the neutral gray axis and a particular hue constitutes a colour chart on which the colors grade in value from light at the top to dark at the bottom, and in chroma (degree of saturation) from gray at one edge to the most vivid colors out at the margin. Both value and chroma are numbered so any particular colour can be given a numerical designation representing hue, value, and chroma such as 5R 6/4 and 10YR 8/2. Colour names are based on the Inter-Society Color Council-National Bureau of Standards system of names.
<i>allowed values:</i>						
Black			Brilliant Green			Dark Greenish Yellow
Dark Yellowish Green			Dusky Blue Green			Dusky Green
Dusky Yellow			Dusky Yellowish Green			Grayish Green
Grayish Red			Grayish Yellow			Grayish Yellowish Green
Light Blue Green			Light Green			Light Olive
Light Red			Light Yellowish Green			Moderate Grayish Green
Moderate Greenish Yellow			Moderate Olive Brown			Moderate Orange Pink
Moderate Red			Moderate Reddish Brown			Moderate Reddish Orange
Moderate Yellowish Green			No Information			Other
Pale Green			Pale Greenish Yellow			Pale Olive
Pale Purple			Pale Red			Pale Red Purple
Pale Yellowish Green			Very Dark Red			Very Dusky Purple
Very Dusky Red Purple			Very Pale Green			White
<i>allowed values:</i>						
Black			Brilliant Green			Dark Greenish Yellow
Dark Yellowish Green			Dusky Blue Green			Dusky Green
Dusky Yellow			Dusky Yellowish Green			Grayish Green
Grayish Red			Grayish Yellow			Grayish Yellowish Green
Light Blue Green			Light Green			Light Olive
Light Red			Light Yellowish Green			Moderate Grayish Green
Moderate Greenish Yellow			Moderate Olive Brown			Moderate Orange Pink
Moderate Red			Moderate Reddish Brown			Moderate Reddish Orange
Moderate Yellowish Green			No Information			Other
Pale Green			Pale Greenish Yellow			Pale Olive
Pale Purple			Pale Red			Pale Red Purple
Pale Yellowish Green			Very Dark Red			Very Dusky Purple
Very Dusky Red Purple			Very Pale Green			White
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: *noInformation*

Maritime Bottom Characteristic (First Material Type)	1	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>						
Ash			Bedrock			Boulders
Chalk			Cinders			Cirripedia
Cobbles			Conglomerate			Coral
Diatomaceous Earth			Foraminifera			Frozen Water
Gravel			Ground Shell			Lava
Madrepore			Manganese			Marl
Mud			Mussels			No Information
Other			Oysters			Pebbles
Pumice			Quartz			Radiolaria
Sand			Schist			Scoria
Shell			Shingle			Silt
Spicules			Sponge			Stone
Volcanic Ash						
Calcareous						
Clay						
Coral Head						
Fucus						
Loess						
Matte						
Ooze						
Plant Material						
Rock						
Sea Moss						
Soil						
Tufa						
<i>allowed values:</i>						
Ash			Bedrock			Boulders
Chalk			Cinders			Cirripedia
Cobbles			Conglomerate			Coral
Diatomaceous Earth			Foraminifera			Frozen Water
Gravel			Ground Shell			Lava
Madrepore			Manganese			Marl
Mud			Mussels			No Information
Other			Oysters			Pebbles
Pumice			Quartz			Radiolaria
Sand			Schist			Scoria
Shell			Shingle			Silt
Spicules			Sponge			Stone
Volcanic Ash						
Calcareous						
Clay						
Coral Head						
Fucus						
Loess						
Matte						
Ooze						
Plant Material						
Rock						
Sea Moss						
Soil						
Tufa						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation**allowed values:* *pimGUID*

Vegetation Characteristic	1	No Information	Enumeration	Unitless	0	The type of a vegetated area based on species, biome, physiography and/or structural organization.
<i>allowed values:</i>						
Algae			No Information			Other
Sea Grass						
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: *-999999.0*

Relationships: BottomCharacterRegion (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BottomCharacterRegion (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 BottomCharacterRegion (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 BottomCharacterRegion (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BottomCharacterRegion (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BottomCharacterRegion (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BottomCharacterRegion (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BottomCharacterRegion (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)
 BottomCharacterRegion (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 BottomCharacterRegion (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature BoundaryMonument (Point)New ☐ **Boundary Monument****A marker identifying the location of a surveyed boundary line.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	ZB030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZB030						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC	
<i>allowed values:</i> noInformation							

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Brick No Information			Concrete Other			Masonry Stone Metal Wood
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: BoundaryMonument (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
BoundaryMonument (Point) - has dataset metadata in - Zero or one - Dataset (Area)
BoundaryMonument (Point) - has dataset metadata in - Zero or one - Dataset (Table)
BoundaryMonument (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
BoundaryMonument (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
BoundaryMonument (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
BoundaryMonument (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
BoundaryMonument (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
BoundaryMonument (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
BoundaryMonument (Point) - is a member of group - Exactly one - BoundaryPnt (FeatureGroup)

Feature Bridge (Area)

New ☐ Bridge

A structure that connects two locations and provides for the passage of a transportation route (for example: a road or a railway) over a terrain obstacle (for example: a waterbody, a gully, and/or a road). [Description] A bridge consists of a set of two abutments and/or zero or more bridge piers joined by bridge spans. A bridge may serve, for example, as an overpass or a viaduct. In the context of a bridge, the scope of the term 'transportation route' includes the transportation of liquids or gases by means of either pipelines or aqueducts.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bridge Opening Type	1	No Information	Enumeration	Unitless	0	The type of structure or mechanism by which a bridge or bridge span is moved to allow passage of a vessel.
<i>allowed values:</i> Bascule No Information Submersible			Drawbridge Opening Swing-bridge			Fixed Other Lift-bridge Retractable
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information
<i>allowed values:</i> No Information						
Bridge Structure Type	3	No Information	Enumeration	Unitless	0	The type(s) of structural design of a bridge, bridge span, or bridge superstructure.
<i>allowed values:</i> Arch Closed Spandrel Arch No Information Stringer Beam Trestle			Bowstring-bridge Covered Open Spandrel Arch Suspension Truss			Cable Stayed Floating Other Tower Suspension Cantilever Girder Slab Transporter
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<i>allowed values:</i> Difficult			Easy			Impossible No Information
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Deck Count	1	-999999	Integer	unitless	0	The number of vertically stacked decks, one over another, in a transportation structure (for example: a bridge or a tunnel).
<i>allowed values:</i> -999999						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	AQ040	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ040							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Horizontal Clearance	1	-999999.0	REAL	metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Load Class Type 1	1	-999999	Integer	militaryLoadClasses	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999							

Load Class Type 2	1	-999999	Integer	militaryLoadClasses	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 3	1	-999999	Integer	militaryLoadClasses	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 4	1	-999999	Integer	militaryLoadClasses	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Mobile Bridge Span	1	No Information	Boolean	Unitless	0	An indication that a bridge span moves in some manner to allow passage underneath.
<i>allowed values:</i> False			No Information		True	
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
Overhead Clearance	1	-999999.0	REAL	metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roofed	1	No Information	Boolean	Unitless	0	An indication that a feature is covered by a roof. [Description] The roof may be supported by spaced pillars with intervening openings or the sides may be completely closed (for example: by walls or windows) and thus afford substantial protection from the weather.
<i>allowed values:</i> False			No Information			True
Span Count	1	-999999	Integer	unitless	0	The number of spans in a bridge.
<i>allowed values:</i> -999999						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aqueduct Pedestrian Runway			Canal Pipeline Taxiway			No Information Railway Other Road
Underbridge Clearance	1	-999999.0	REAL	metre	0	Clearance below bridge, measured from the lowest surface level to the base of the lower of either a cross beam or the lowest bridge deck.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Clearance, Safe <reference level>	1	No Information	Enumeration	Unitless	0	The sounding datum or reference water level from which the safe vertical clearance is specified.
<i>allowed values:</i> Highest High Water Mean Higher High Water Other			Indian Spring High Water Mean Higher High Water Springs			Mean High Water Mean Sea Level Mean High Water Springs No Information
Vertical Clearance, Safe <reference level remark>	1	No Information	String	Unitless	132	Information pertaining to ensuring safe vertical clearance for vessels passing under potential overhead obstacles (for example: a bridge). [Description] For example, may state the local sounding datum or reference water level from which overhead clearance is specified on charts.
<i>allowed values:</i> No Information						

Vertical Clearance, Safe	1	-999999.0	Real	Metre	0	The safe vertical clearance of an object measured from the horizontal plane toward the object overhead.
<i>allowed values:</i> -999999.0						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Brick Concrete Iron Masonry Metal No Information Other Prestressed Concrete Reinforced Concrete Steel Stone Treated Timber Wood						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Bridge (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Bridge (Area) - has dataset metadata in - Zero or one - Dataset (Area)
Bridge (Area) - has dataset metadata in - Zero or one - Dataset (Table)
Bridge (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Bridge (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Bridge (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Bridge (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Bridge (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Bridge (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature Bridge (Line)New ☐ Bridge

A structure that connects two locations and provides for the passage of a transportation route (for example: a road or a railway) over a terrain obstacle (for example: a waterbody, a gully, and/or a road). [Description] A bridge consists of a set of two abutments and/or zero or more bridge piers joined by bridge spans. A bridge may serve, for example, as an overpass or a viaduct. In the context of a bridge, the scope of the term 'transportation route' includes the transportation of liquids or gases by means of either pipelines or aqueducts.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False No Information True						
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bridge Opening Type	1	No Information	Enumeration	Unitless	0	The type of structure or mechanism by which a bridge or bridge span is moved to allow passage of a vessel.
<i>allowed values:</i> Bascule Drawbridge Fixed Lift-bridge No Information Opening Other Retractable Submersible Swing-bridge						

Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information
<i>allowed values:</i>	No Information					
Bridge Structure Type	3	No Information	Enumeration	Unitless	0	The type(s) of structural design of a bridge, bridge span, or bridge superstructure.
<i>allowed values:</i>	Arch Closed Spandrel Arch No Information Stringer Beam Trestle					Bowstring-bridge Covered Open Spandrel Arch Suspension Truss Cable Stayed Floating Other Tower Suspension Cantilever Girder Slab Transporter
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<i>allowed values:</i>	Difficult Easy Impossible					No Information
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	[-999999, -999999]					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian Other Joint Military and Civilian Private Military Public					No Information
Deck Count	1	-999999	Integer	unitless	0	The number of vertically stacked decks, one over another, in a transportation structure (for example: a bridge or a tunnel).
<i>allowed values:</i>	-999999					
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i>	noInformation					
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i>	No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational					
New Feature Code	1	AQ040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AQ040					
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i>	noInformation					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i>	No Information					Other

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Horizontal Clearance	1	-999999.0	REAL	metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Load Class Type 1	1	-999999	Integer	militaryLoadClass	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 2	1	-999999	Integer	militaryLoadClass	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 3	1	-999999	Integer	militaryLoadClass	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 4	1	-999999	Integer	militaryLoadClass	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Mobile Bridge Span	1	No Information	Boolean	Unitless	0	An indication that a bridge span moves in some manner to allow passage underneath.
<i>allowed values:</i> False			No Information			True
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Overhead Clearance	1	-999999.0	REAL	metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roofed	1	No Information	Boolean	Unitless	0	An indication that a feature is covered by a roof. [Description] The roof may be supported by spaced pillars with intervening openings or the sides may be completely closed (for example: by walls or windows) and thus afford substantial protection from the weather.
<i>allowed values:</i> False			No Information			True
Span Count	1	-999999	Integer	unitless	0	The number of spans in a bridge.
<i>allowed values:</i> -999999						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aqueduct Pedestrian Runway			Canal Pipeline Taxiway			No Information Railway Other Road
Underbridge Clearance	1	-999999.0	REAL	metre	0	Clearance below bridge, measured from the lowest surface level to the base of the lower of either a cross beam or the lowest bridge deck.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Clearance, Safe <reference level>	1	No Information	Enumeration	Unitless	0	The sounding datum or reference water level from which the safe vertical clearance is specified.
<i>allowed values:</i> Highest High Water Mean Higher High Water Other			Indian Spring High Water Mean Higher High Water Springs			Mean High Water Mean Sea Level Mean High Water Springs No Information
Vertical Clearance, Safe <reference level remark>	1	No Information	String	Unitless	132	Information pertaining to ensuring safe vertical clearance for vessels passing under potential overhead obstacles (for example: a bridge). [Description] For example, may state the local sounding datum or reference water level from which overhead clearance is specified on charts.
<i>allowed values:</i> No Information						
Vertical Clearance, Safe	1	-999999.0	Real	Metre	0	The safe vertical clearance of an object measured from the horizontal plane toward the object overhead.
<i>allowed values:</i> -999999.0						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Masonry Prestressed Concrete Treated Timber			Brick Metal Reinforced Concrete Wood			Concrete No Information Steel Iron Other Stone
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Bridge (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Bridge (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Bridge (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Bridge (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Bridge (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Bridge (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Bridge (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Bridge (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Bridge (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Bridge (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Bridge (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Bridge (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature Bridge (Point)New ☐ Bridge

A structure that connects two locations and provides for the passage of a transportation route (for example: a road or a railway) over a terrain obstacle (for example: a waterbody, a gully, and/or a road). [Description] A bridge consists of a set of two abutments and/or zero or more bridge piers joined by bridge spans. A bridge may serve, for example, as an overpass or a viaduct. In the context of a bridge, the scope of the term 'transportation route' includes the transportation of liquids or gases by means of either pipelines or aqueducts.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bridge Opening Type	1	No Information	Enumeration	Unitless	0	The type of structure or mechanism by which a bridge or bridge span is moved to allow passage of a vessel.
<i>allowed values:</i> Bascule No Information Submersible			Drawbridge Opening Swing-bridge			Fixed Other Lift-bridge Retractable
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information
<i>allowed values:</i> No Information						
Bridge Structure Type	3	No Information	Enumeration	Unitless	0	The type(s) of structural design of a bridge, bridge span, or bridge superstructure.
<i>allowed values:</i> Arch Closed Spandrel Arch No Information Stringer Beam Trestle			Bowstring-bridge Covered Open Spandrel Arch Suspension Truss			Cable Stayed Floating Other Tower Suspension Cantilever Girder Slab Transporter
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<i>allowed values:</i> Difficult			Easy			Impossible No Information
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.

<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other						
			Joint Military and Civilian Private			Military Public
					No Information	
Deck Count	1	-999999	Integer	unitless	0	The number of vertically stacked decks, one over another, in a transportation structure (for example: a bridge or a tunnel).
<i>allowed values:</i> -999999						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational						
			Non-operational Planned			Not in Operation Temporarily Non-operational
					Operational	
New Feature Code	1	AQ040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ040						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original						
			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
					Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Horizontal Clearance	1	-999999.0	REAL	metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Load Class Type 1	1	-999999	Integer	militaryLoadClasses	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 2	1	-999999	Integer	militaryLoadClasses	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 3	1	-999999	Integer	militaryLoadClasses	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 4	1	-999999	Integer	militaryLoadClasses	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Mobile Bridge Span	1	No Information	Boolean	Unitless	0	An indication that a bridge span moves in some manner to allow passage underneath.
<i>allowed values:</i> False						
			No Information	True		
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
			No Information	True		
Overhead Clearance	1	-999999.0	REAL	metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
			Damaged	Destroyed		
			No Information	Unmaintained		
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roofed	1	No Information	Boolean	Unitless	0	An indication that a feature is covered by a roof. [Description] The roof may be supported by spaced pillars with intervening openings or the sides may be completely closed (for example: by walls or windows) and thus afford substantial protection from the weather.
<i>allowed values:</i> False			No Information			True
Span Count	1	-999999	Integer	unitless	0	The number of spans in a bridge.
<i>allowed values:</i> -999999						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aqueduct Pedestrian Runway			Canal Pipeline Taxiway			No Information Railway Other Road
Underbridge Clearance	1	-999999.0	REAL	metre	0	Clearance below bridge, measured from the lowest surface level to the base of the lower of either a cross beam or the lowest bridge deck.
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Clearance, Safe <reference level>	1	No Information	Enumeration	Unitless	0	The sounding datum or reference water level from which the safe vertical clearance is specified.
<i>allowed values:</i> Highest High Water Mean Higher High Water Other Indian Spring High Water Mean Higher High Water Springs Mean High Water Mean Sea Level Mean High Water Springs No Information						
Vertical Clearance, Safe <reference level remark>	1	No Information	String	Unitless	132	Information pertaining to ensuring safe vertical clearance for vessels passing under potential overhead obstacles (for example: a bridge). [Description] For example, may state the local sounding datum or reference water level from which overhead clearance is specified on charts.
<i>allowed values:</i> No Information						
Vertical Clearance, Safe	1	-999999.0	Real	Metre	0	The safe vertical clearance of an object measured from the horizontal plane toward the object overhead.
<i>allowed values:</i> -999999.0						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Masonry Prestressed Concrete Treated Timber Brick Metal Reinforced Concrete Wood Concrete No Information Steel Iron Other Stone						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Bridge (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Bridge (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Bridge (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Bridge (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Bridge (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Bridge (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Bridge (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Bridge (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Bridge (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Bridge (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Bridge (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Bridge (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature BridgePier (Area)

New ☐ Bridge Pier

A pillar or abutment that supports a bridge span.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AQ056	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ056						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: BridgePier (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BridgePier (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 BridgePier (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 BridgePier (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BridgePier (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BridgePier (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BridgePier (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BridgePier (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BridgePier (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature BridgePier (Line)

New ☐ Bridge Pier

A pillar or abutment that supports a bridge span.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						

New	Feature Code	1	AQ056	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ056						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False		No Information		True		

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: BridgePier (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BridgePier (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 BridgePier (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 BridgePier (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BridgePier (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BridgePier (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BridgePier (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BridgePier (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BridgePier (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature BridgePier (Point)New ☐ Bridge Pier**A pillar or abutment that supports a bridge span.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AQ056	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ056						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: *No Information*

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMDissem
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' or '(CSP:Kumquat)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: BridgePier (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BridgePier (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 BridgePier (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 BridgePier (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BridgePier (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BridgePier (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BridgePier (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BridgePier (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BridgePier (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BridgePier (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature BridgeSpan (Area)

 New ☐ Bridge Span

A component of the deck of a bridge spanning successive bridge piers.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bridge Opening Type	1	No Information	Enumeration	Unitless	0	The type of structure or mechanism by which a bridge or bridge span is moved to allow passage of a vessel.
<i>allowed values:</i> Bascule No Information Submersible			Drawbridge Opening Swing-bridge			Fixed Other Lift-bridge Retractable
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information
<i>allowed values:</i> No Information						
Bridge Structure Type	3	No Information	Enumeration	Unitless	0	The type(s) of structural design of a bridge, bridge span, or bridge superstructure.
<i>allowed values:</i> Arch Closed Spandrel Arch Open Spandrel Arch Suspension Truss			Bowstring-bridge Floating Other Tower Suspension			Cable Stayed Girder Slab Transporter Cantilever No Information Stringer Beam Trestle
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ045	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ045						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> <div> Conventional Native Transliterated Unverified Original </div> <div> Historical Original No Information Unverified Transliterated </div> <div> Historical Transliterated Other Variant Original </div> <div> Native Original Provisional Variant Transliterated </div>							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Load Class Type 1	1	-999999	Integer	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<u>allowed values:</u> -999999							
	Load Class Type 2	1	-999999	Integer	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<u>allowed values:</u> -999999							
	Load Class Type 3	1	-999999	Integer	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.

allowed values: -999999

Load Class Type 4	1	-999999	Integer	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Overhead Clearance	1	-999999.0	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i>			Aluminum Masonry Prestressed Concrete Treated Timber	Brick Metal Reinforced Concrete Wood	Concrete No Information Steel	Iron Other Stone

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: BridgeSpan (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BridgeSpan (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 BridgeSpan (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 BridgeSpan (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BridgeSpan (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BridgeSpan (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BridgeSpan (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BridgeSpan (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BridgeSpan (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature BridgeSpan (Line)

New ☐ Bridge Span

A component of the deck of a bridge spanning successive bridge piers.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
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allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	<i>noInformation</i>					
Bridge Opening Type	1	No Information	Enumeration	Unitless	0	The type of structure or mechanism by which a bridge or bridge span is moved to allow passage of a vessel.
<i>allowed values:</i>	Bascule No Information Submersible					Drawbridge Opening Swing-bridge Fixed Other Lift-bridge Retractable
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information
<i>allowed values:</i>	<i>No Information</i>					
Bridge Structure Type	3	No Information	Enumeration	Unitless	0	The type(s) of structural design of a bridge, bridge span, or bridge superstructure.
<i>allowed values:</i>	Arch Closed Spandrel Arch Open Spandrel Arch Suspension Truss					Bowstring-bridge Floating Other Tower Suspension Cable Stayed Girder Slab Transporter Cantilever No Information Stringer Beam Trestle
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	<i>[-999999, -999999]</i>					
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i>	<i>noInformation</i>					
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i>	No Information Partially Operational					Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ045	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	<i>AQ045</i>					
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i>	<i>noInformation</i>					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	<i>No Information</i>					
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i>	<i>No Information</i>					<i>Other</i>
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Load Class Type 1	1	-999999	Integer	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.	
<i>allowed values:</i> -999999							
Load Class Type 2	1	-999999	Integer	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.	
<i>allowed values:</i> -999999							
Load Class Type 3	1	-999999	Integer	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.	
<i>allowed values:</i> -999999							
Load Class Type 4	1	-999999	Integer	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.	
<i>allowed values:</i> -999999							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Overhead Clearance	1	-999999.0	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.	
<i>allowed values:</i> -999999.0							
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).

<i>allowed values:</i>	Aluminum	Brick	Concrete	Iron		
	Masonry	Metal	No Information	Other		
	Prestressed Concrete	Reinforced Concrete	Steel	Stone		
	Treated Timber	Wood				
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: BridgeSpan (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BridgeSpan (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 BridgeSpan (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 BridgeSpan (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BridgeSpan (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BridgeSpan (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BridgeSpan (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BridgeSpan (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BridgeSpan (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BridgeSpan (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature BridgeSpan (Point)

New ☐ Bridge Span

A component of the deck of a bridge spanning successive bridge piers.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bridge Opening Type	1	No Information	Enumeration	Unitless	0	The type of structure or mechanism by which a bridge or bridge span is moved to allow passage of a vessel.
<i>allowed values:</i> Bascule No Information Submersible			Drawbridge Opening Swing-bridge			Fixed Other Lift-bridge Retractable
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information
<i>allowed values:</i> No Information						
Bridge Structure Type	3	No Information	Enumeration	Unitless	0	The type(s) of structural design of a bridge, bridge span, or bridge superstructure.
<i>allowed values:</i> Arch Closed Spandrel Arch Open Spandrel Arch Suspension Truss			Bowstring-bridge Floating Other Tower Suspension			Cable Stayed Girder Slab Transporter Cantilever No Information Stringer Beam Trestle

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational
New	Feature Code	1	AQ045	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ045						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information		Other				
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						

Load Class Type 1	1	-999999	Integer	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 2	1	-999999	Integer	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, wheeled vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 3	1	-999999	Integer	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for one-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Load Class Type 4	1	-999999	Integer	Military Load Class	0	The dynamic live load weight-bearing capacity of a bridge or bridge span for two-way, tracked vehicle traffic in MLC units. [Description] Military load classification values are calculated in part from the size, cross-sectional shape, and material of the stringers under the bridge span; they are similar to, but not the same as, short tons. See STANAGs 2021 and 2253 for the method of calculation.
<i>allowed values:</i> -999999						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Overhead Clearance	1	-999999.0	REAL	Metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> <div> <div>Aluminum</div> <div>Masonry</div> <div>Prestressed Concrete</div> <div>Treated Timber</div> </div> <div> <div>Brick</div> <div>Metal</div> <div>Reinforced Concrete</div> <div>Wood</div> </div> <div> <div>Concrete</div> <div>No Information</div> <div>Steel</div> </div> <div> <div>Iron</div> <div>Other</div> <div>Stone</div> </div>						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: BridgeSpan (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BridgeSpan (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 BridgeSpan (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 BridgeSpan (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BridgeSpan (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BridgeSpan (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BridgeSpan (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BridgeSpan (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BridgeSpan (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BridgeSpan (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature BridgeSuperstructure (Area)

New ☐ Bridge Superstructure

A superstructure of a bridge, above the lowest deck, not including pylons or towers.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information
<i>allowed values:</i> No Information						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AQ050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ050						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<u>allowed values:</u> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information		Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: BridgeSuperstructure (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BridgeSuperstructure (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 BridgeSuperstructure (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 BridgeSuperstructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BridgeSuperstructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BridgeSuperstructure (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BridgeSuperstructure (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BridgeSuperstructure (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BridgeSuperstructure (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BridgeSuperstructure (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature BridgeSuperstructure (Line)

New ☐ Bridge Superstructure

A superstructure of a bridge, above the lowest deck, not including pylons or towers.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> False
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information <i>allowed values:</i> No Information
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
New Feature Code	1	AQ050	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> AQ050
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set. <i>allowed values:</i> noInformation

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<u>allowed values:</u> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: BridgeSuperstructure (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BridgeSuperstructure (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 BridgeSuperstructure (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 BridgeSuperstructure (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BridgeSuperstructure (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BridgeSuperstructure (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BridgeSuperstructure (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BridgeSuperstructure (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 BridgeSuperstructure (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 BridgeSuperstructure (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BridgeSuperstructure (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BridgeSuperstructure (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature BridgeTower (Point)New ☐ Bridge Tower**A tower and/or pylon from which the deck of a bridge is suspended.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> <i>noInformation</i>						
Bridge Reference Number	1	No Information	String	Unitless	24	The unique identifier of a bridge in accordance with the provisions of terrain analysis databases (for example: PTADB or TTADB). [Description] The identifier is assigned consecutively (for example: within a map sheet or within a local area of interest) and begins with the northwest grid square of the UTM reference system and proceeds from left to right to the east edge of the sheet or area, continuing consecutively in the same way starting back at the west edge of the next line of UTM grid squares below those previously completed. The resulting identifiers are used to index an associated Bridge Information
<i>allowed values:</i> <i>No Information</i>						
<i>New</i> Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> <i>[-999999, -999999]</i>						
<i>New</i> External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> <i>noInformation</i>						
<i>New</i> Feature Code	1	AQ055	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AQ055</i>						
<i>New</i> Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> <i>noInformation</i>						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information		True	
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information		Destroyed Unmaintained	Dismantled
	Pylon Material	1	No Information	Enumeration	Unitless	0	The primary type of material composing a pylon. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
	<u>allowed values:</u> Aluminum Masonry Steel			Concrete Metal Wood		Fibreglass No Information	Iron Other
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
	<u>allowed values:</u> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information		Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<u>allowed values:</u> noInformation						
<u>allowed values:</u> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<u>allowed values:</u> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: BridgeTower (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BridgeTower (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 BridgeTower (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 BridgeTower (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BridgeTower (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BridgeTower (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BridgeTower (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BridgeTower (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 BridgeTower (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 BridgeTower (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BridgeTower (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BridgeTower (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature Brush (Area)New ☐ Brush

A tract covered mainly by short, uncultured, woody plants that have been stunted by an environmental limitation (for example: low rainfall or nutrient-poor soil). [Description]
Typically, coverage can range from sparse to differentiated (where the vegetation is close but not tangled together). The woody plants include bushes, scrub, shrubs and/or low stunted trees. The predominant height of the vegetation is usually less than 3 metres.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	EB070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EB070						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
			Other			

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Predominant Vegetation Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Brush (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Brush (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Brush (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Brush (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Brush (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Brush (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Brush (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Brush (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Brush (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Brush (Area) - is a member of group - Exactly one - VegetationSrf (FeatureGroup)

Feature Building (Area)

New ☐ Building

A free-standing self-supporting construction that is roofed, usually walled, and is intended for human occupancy (for example: a place of work or recreation) and/or habitation.
[Description] For example, a dormitory, a bank, and a restaurant.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.

	<i>allowed values:</i> <i>False</i>		No Information		<i>True</i>	
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999.0</i>						
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.
<i>allowed values:</i> <i>False</i>		No Information		<i>True</i>		
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> <i>noInformation</i>						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage		Cinders Radioactive Material Slag		No Byproduct Refuse		No Information Scrap-metal
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> <i>[-999999, -999999]</i>						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other		Joint Military and Civilian Private		Military Public		No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational
New Feature Code	1	AL013	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AL013</i>						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

<i>allowed values:</i>	Accommodation	Accounting	Administration	Adult Entertainment
	Advertising	Agriculture	Air Traffic Control	Air Transport
	Aircraft Manufacture	Aircraft Repair	Amusement	Animal Boarding
	Animal Feed Manufacture	Apparel Manufacture	Aquaculture	Aquarium
	Architecture Consulting	Armory	Auditorium	Baking
	Banquet Hall	Bar	Beauty Treatment	Beverage Manufacture
	Botanical and/or Zoological Reserve Activities	Branch Telephone Exchange	Brewing	Business and Personal Support Services
	Business Management	Call Centre	Canal Transport	Capitol
	Cargo Handling	CBRNE Civilian Support	Cement Mill	Cement Product Manufacture
	Central Banking	Ceramic Product Manufacture	Chemical Manufacture	Chemical Mining
	Cinema	Civil Activities	Civil Intelligence	Clay Product Manufacture
	Climate Control	Club	Coke Manufacture	Commerce
	<i>Communal Bath</i>	Community Centre	Confection Manufacture	Consul
	Convenience Store	Convention Centre	Cooling	Courier Activities
	Cremation	Cultural, Arts and Entertainment	Custodial Service	Customs Checkpoint
	Dairying	Day Care	Death Care Services	Defence Activities
	Dependents Housing	Dining Hall	Diplomacy	Diplomatic Mission
	Dormitory	Education	Electrical Equipment Manufacture	Electrical Equipment Repair
	Electronic Equipment Manufacture	Electronic Equipment Repair	Embassy	Emergency Operations
	Emergency Relief Services	Emergency Shelter	Emergency Youth Shelter	Employment Agency
	Engineering Design	Executive Activities	Fabricated Metal Product Manufacture	Fabricated Metal Product Repair
	Financial Market Administration	Financial Services	Firefighting	Fishing
	Fitness Centre	Food Processing	Food Product Manufacture	Food Service
	Footwear Manufacturing	Forest Warden	Forestry and/or Logging	Foundry
	Fruit and/or Vegetable Processing	Fund Management	Funeral Services	Furniture Manufacture
	Gambling	Game and/or Toy Manufacture	Gas Oil Separation	General Repair
	Glass Product Manufacture	Government	Grain Milling	Grazing
	Grocery	Growing of Crops	Guard	Guest-house
	Harbour Control	Head Office	Headquarters	Heating
	Higher Education	Hobbies and/or Leisure Activities	Homeless Shelter	Hostel
	Hotel	Human Health Activities	Human Tissue Repository	Hunting
	Ice Manufacture	Immigration Control	Imprisonment	Information Service
	Inland Waters Transport	In-patient Care	Inspection	Inspection Station
	Insurance	Intermediate Care	Islamic Prayer Hall	Jewellery Manufacture
	Judicial Activities	Juvenile Corrections	Landscaping Service	Laundry
	Law Enforcement	Leather Product Manufacture	Legal Activities	Legislative Activities
	Leprosy Care	Library	Local Government	Long-term Accommodation
	Machinery Manufacture	Machinery Repair	Mail and Package Transport	Main Telephone Exchange
	Manufacturing	Maritime Defense	Maritime Pilotage	Market
	Materials Recovery	Meat Processing	Medical and/or Dental Equipment Manufacture	Medicinal Product Manufacture
	Meeting Place	Membership Organization	Metal Ore Mining	Metal Product Manufacturing
	Metal Refining	Military Recruitment	Military Reserve Activities	Military Vehicle Manufacture
	Mineral Mining	Mining and Quarrying	Miscellaneous Manufacturing	Mixed Farming
	Mobile Phone Service	Mortuary Services	Motel	Motor Vehicle Manufacture
	Motor Vehicle Parking	Motor Vehicle Rental	Motor Vehicle Repair	Munitions Manufacture
	Museum	Musical Instrument Manufacture	National Government	Navigation
	Night Club	<i>No Information</i>	Nonmetallic Mineral Product Manufacturing	Non-specialized Store
	Nuclear Research Centre	Observation Station	Office Administration	Oil-mill
	Opera House	Ore Dressing	<i>Other</i>	Out-patient Care
	Palace	Paper-mill	Pasta Manufacture	Pedestrian Transport
	Petrol Sale	Petroleum and Coal Products Manufacturing	Petroleum and/or Gas Extraction	Petroleum Refining
	Pet-shop	Pharmacy	Photography	Pilot Station
	Pipeline Transport	Place of Worship	Plastic Product Manufacture	Polling Station
	Port Control	Postal Activities	Power Generation	Precious Metal Merchant
	Prepared Meal Manufacture	Primary Education	Primary Metal Manufacturing	Print Publishing
	Printing	Professional, Scientific and Technical	Propane Sale	Psychiatric In-patient Care

Public Administration	Public Health Activities	Public Order	Public Order, Safety and Security Services
Public Records	Publishing and Broadcasting	Pumping	Radio Broadcasting
Railway Passenger Transport	Railway Transport	Railway Vehicle Manufacture	Railway Vehicle Repair
Raising of Animals	Real Estate Activities	Recreation	Refractory Product Manufacture
Refugee Shelter	Religious Activities	Rescue and Paramedical Services	Residence
Residential Care	Resort	Restaurant	Restroom
Retail Banking	Retail Sale	Retail Telecommunications	Road Freight Transport
Road Passenger Transport	Road Transport	Rubber Product Manufacture	Safety
Sales Yard	Satellite Ground Control	Satellite Telecommunications	Sawmilling
Scientific Research and Development	Seafood Processing	Secondary Education	Security Brokerage
Security Enforcement	Security Services	Sewerage	Sewerage Screening
Ship Construction	Ship Repair	Shooting Range	Short-term Accommodation
Signalling	Silviculture	Social Work	Soft Drink Manufacture
Solid Mineral Fuel Mining	Specialized Store	Spirit Distillery	Sports Centre
Sports Goods Manufacture	Sports, Amusement and Recreation	Station	Steel Mill
Stone Product Manufacture	Stop	Storage of Human Remains	Structural Metal Product Manufacture
Subnational Government	Sugar Manufacture	Sugar Milling	Sugar Refining
Surveying	Telecommunications	Television Broadcasting	Terminal
Textile Manufacture	Textile, Apparel and Leather Manufacture	Theatre	Tobacco Product Manufacture
Transfer Hub	Transport	Transport System Maintenance	Transportation Equipment Manufacturing
Transportation Hub	Transportation Support	Travel Agency	Urgent Medical Care
Utilities	Vacation Cottage	Veterinary	Vocational Education
Warehousing and Storage	Waste Treatment and Disposal	Water Collection	Water Distribution
Water Supply	Water Transport	Water Treatment	Weather Station
Wholesale Merchant	Wind Tunnel	Winery	Wired Repeater
Wired Telecommunications	Wireless Repeater	Wireless Telecommunications	Wood-based Manufacturing
Wooden Construction Product Manufacture	Yacht-club		

New Feature Unique Identifier 1 noInformation StructuredText Unitless 254 When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Floor Count 1 -999999 Integer unitless 0 The number of floors in a structure (for example: a building).

allowed values: -999999

Geographic Name Information : Full Name 3 No Information String Unitless 200 A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information

New (Location Country) Designation : GENC Short URN-based Identifier 1 No Information CodeList Unitless 24 The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at <http://nsgreg.nga.mil/gencc>. [Hyperlink] <http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2>

allowed values: No Information

Other

Geographic Name Information : Geographic Name Type 3 No Information Enumeration Unitless 0 The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

allowed values: Conventional
Native Transliterated
Unverified Original

Historical Original
No Information
Unverified Transliterated

Historical Transliterated
Other
Variant Original

Native Original
Provisional
Variant Transliterated

	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
New	Hospital Bed Count	1	-999999	Integer	Unitless	0	The number of beds in a hospital.
	<i>allowed values:</i> -999999						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Manufactured Building	1	No Information	Boolean	Unitless	0	An indication that a building is free-standing (detached) and self-contained and is built in a factory and then towed by a tractor to its semi-permanent site. [Description] Despite being constructed on a trailer frame with accompanying axles, wheels and a tow-hitch, they are usually left in place for the life of the building. Two or more units may be joined side-by-side to form a larger, squarer, building. They are often associated with rural areas and high-density developments termed 'trailer parks'. They may also be used as offices at building sites or small businesses.
	<i>allowed values:</i> False			No Information			True
New	Market Size	1	No Information	Enumeration	Unitless	0	Market Size
	<i>allowed values:</i> Large Small			Medium			No Information Not Applicable
New	Medical Facility	1	-999999	Integer	Unitless	0	MedicalFacility
	<i>allowed values:</i> -999999						
New	Medical Specialty	1	No Information	String	Unitless	254	Medical Specialty
	<i>allowed values:</i> No Information						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants. [Description] For example, an apartment building consisting of multiple self-contained residences individually including spaces for personal activities, cooking, eating, sleeping, and (usually) a private bathroom, or an office building housing multiple commercial establishments individually including spaces for reception, meetings, single or open-plan work areas, as well as individual or common-use bathrooms or cafeterias.
	<i>allowed values:</i> False			No Information			True
	Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.

<i>allowed values:</i> False	No Information	True
New Number Rooms	1 -999999 Integer Unitless 0	Number of Rooms
<i>allowed values:</i> -999999		
Physical Condition	1 No Information Enumeration Unitless 0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact	Damaged No Information	Destroyed Unmaintained Dismantled
Manufacturing Information : Product	3 No Information Enumeration Unitless 0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc	Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water	Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Other Petroleum Plastic Rubber Snow Tobacco Whale Products Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine
Manufacturing Information : Raw Material	3 No Information Enumeration Unitless 0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation Cement Coke Glass Lead No Information Other Plastic Silver Textile Water
Relative Level	1 No Information Enumeration Unitless 0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed	Level	No Information Raised
Religious Information : Religious Designation	1 No Information Enumeration Unitless 0	A designation denoting a religion or system of belief.
<i>allowed values:</i> Buddhism Islam No Information Roman Catholic	Chaldean Judaism Orthodox Shia	Christian Mixed and/or No Designation Other Shinto Hinduism Nestorian Protestant Sunni

Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.
<i>allowed values:</i>	Cathedral Hermitage Monastery Other Seminary Tabernacle		Chapel Marabout Mosque Pagoda Shrine Temple			Church Minaret No Information Religious Community Stupa Convent Mission Noviciate Retreat Synagogue
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i>	Conical No Information Pyramidal		Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

New	Total Staff	1	-999999	Integer	Unitless	0	Total Staff
<u>allowed values:</u> -999999							
	Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<u>allowed values:</u> noInformation							
<u>allowed values:</u> pimGUID							
	Vehicle Capacity	1	-999999	Integer	Unitless	0	The number of vehicles that a feature can accommodate.
<u>allowed values:</u> -999999							
	Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<u>allowed values:</u> Adobe Brick Aluminum Brick Concrete Fibreglass Glass Iron Metal Mud-based Construction No Information Other Plant Material Prestressed Concrete Reinforced Concrete Sod Steel Stone Treated Timber Wood							
	Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<u>allowed values:</u> noInformation							
	Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
New	Window Type	1	No Information	Enumeration	Unitless	0	Type of Window
<u>allowed values:</u> No Information Open with Bars Open without Bars Other Plastic with Bars Plastic without Bars							
New	Windows Per Story	1	-999999	Integer	Unitless	0	Number of windows per story
<u>allowed values:</u> -999999							
	Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
<u>allowed values:</u> Cellular Phone Microwave Radio Relay Mobile Phone No Information Other Radio Broadcast Radio Telephone Radio-telegraph Television (TV)							

Relationships: Building (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Building (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Building (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Building (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Building (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Building (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Building (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Building (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Building (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Building (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Building (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Building (Area) - is a member of group - Exactly one - StructureSrf (FeatureGroup)

Feature Building (Point)New ☐ Building

A free-standing self-supporting construction that is roofed, usually walled, and is intended for human occupancy (for example: a place of work or recreation) and/or habitation.
[Description] For example, a dormitory, a bank, and a restaurant.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.
<i>allowed values:</i> False			No Information			True
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse No Information Scrap-metal
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						

Facility Operational Status						
	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information						
Partially Operational						
Non-operational						
Planned						
Not in Operation						
Temporarily Non-operational						
Operational						
New	Feature Code	1	AL013	CONSTRAINED_	Unitless	5
STRING						
<i>allowed values:</i> AL013						
Feature Function						
	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

allowed values:

Accommodation
 Advertising
 Aircraft Manufacture
 Animal Feed Manufacture
 Architecture Consulting
 Banquet Hall
 Botanical and/or Zoological Reserve Activities
 Business Management
 Cargo Handling
 Central Banking
 Cinema
 Climate Control
 Communal Bath
 Convenience Store
 Cremation
 Dairying
 Dependents Housing
 Dormitory
 Electronic Equipment Manufacture
 Emergency Relief Services
 Engineering Design
 Financial Market Administration
 Fitness Centre
 Footwear Manufacturing
 Fruit and/or Vegetable Processing
 Gambling
 Glass Product Manufacture
 Grocery
 Harbour Control
 Higher Education
 Hotel
 Ice Manufacture
 Inland Waters Transport
 Insurance
 Judicial Activities
 Law Enforcement
 Leprosy Care
 Machinery Manufacture
 Manufacturing
 Materials Recovery
 Meeting Place
 Metal Refining
 Mineral Mining
 Mobile Phone Service
 Motor Vehicle Parking
 Museum
 Night Club
 Nuclear Research Centre
 Opera House
 Palace
 Petrol Sale
 Pet-shop
 Pipeline Transport
 Port Control
 Prepared Meal Manufacture
 Printing

Accounting
 Agriculture
 Aircraft Repair
 Apparel Manufacture
 Armory
 Bar
 Branch Telephone Exchange
 Call Centre
 CBRNE Civilian Support
 Ceramic Product Manufacture
 Civil Activities
 Club
 Community Centre
 Convention Centre
 Cultural, Arts and Entertainment
 Day Care
 Dining Hall
 Education
 Electronic Equipment Repair
 Emergency Shelter
 Executive Activities
 Financial Services
 Food Processing
 Forest Warden
 Fund Management
 Game and/or Toy Manufacture
 Government
 Growing of Crops
 Head Office
 Hobbies and/or Leisure Activities
 Human Health Activities
 Immigration Control
 In-patient Care
 Intermediate Care
 Juvenile Corrections
 Leather Product Manufacture
 Library
 Machinery Repair
 Maritime Defense
 Meat Processing
 Membership Organization
 Military Recruitment
 Mining and Quarrying
 Mortuary Services
 Motor Vehicle Rental
 Musical Instrument Manufacture
 No Information
 Observation Station
 Ore Dressing
 Paper-mill
 Petroleum and Coal Products Manufacturing
 Pharmacy
 Place of Worship
 Postal Activities
 Primary Education
 Professional, Scientific and Technical

Administration
 Air Traffic Control
 Amusement
 Aircraft Repair
 Aquaculture
 Auditorium
 Beauty Treatment
 Brewing
 Canal Transport
 Cement Mill
 Chemical Manufacture
 Civil Intelligence
 Coke Manufacture
 Confection Manufacture
 Cooling
 Custodial Service
 Death Care Services
 Diplomacy
 Electrical Equipment Manufacture
 Embassy
 Emergency Youth Shelter
 Fabricated Metal Product Manufacture
 Firefighting
 Food Product Manufacture
 Forestry and/or Logging
 Funeral Services
 Gas Oil Separation
 Grain Milling
 Guard
 Headquarters
 Homeless Shelter
 Human Tissue Repository
 Imprisonment
 Inspection
 Islamic Prayer Hall
 Landscaping Service
 Legal Activities
 Local Government
 Mail and Package Transport
 Maritime Pilotage
 Medical and/or Dental Equipment Manufacture
 Metal Ore Mining
 Military Reserve Activities
 Miscellaneous Manufacturing
 Motel
 Motor Vehicle Repair
 National Government
 Nonmetallic Mineral Product Manufacturing
 Office Administration
 Other
 Pasta Manufacture
 Petroleum and/or Gas Extraction
 Photography
 Plastic Product Manufacture
 Power Generation
 Primary Metal Manufacturing
 Propane Sale

Adult Entertainment
 Air Transport
 Animal Boarding
 Aquarium
 Baking
 Beverage Manufacture
 Business and Personal Support Services
 Capitol
 Cement Product Manufacture
 Chemical Mining
 Clay Product Manufacture
 Commerce
 Consul
 Courier Activities
 Customs Checkpoint
 Defence Activities
 Diplomatic Mission
 Electrical Equipment Repair
 Emergency Operations
 Employment Agency
 Fabricated Metal Product Repair
 Fishing
 Food Service
 Foundry
 Furniture Manufacture
 General Repair
 Grazing
 Guest-house
 Heating
 Hostel
 Hunting
 Information Service
 Inspection Station
 Jewellery Manufacture
 Laundry
 Legislative Activities
 Long-term Accommodation
 Main Telephone Exchange
 Market
 Medicinal Product Manufacture
 Metal Product Manufacturing
 Military Vehicle Manufacture
 Mixed Farming
 Motor Vehicle Manufacture
 Munitions Manufacture
 Navigation
 Non-specialized Store
 Oil-mill
 Out-patient Care
 Pedestrian Transport
 Petroleum Refining
 Pilot Station
 Polling Station
 Precious Metal Merchant
 Print Publishing
 Psychiatric In-patient Care

Public Administration	Public Health Activities	Public Order	Public Order, Safety and Security Services
Public Records	Publishing and Broadcasting	Pumping	Radio Broadcasting
Railway Passenger Transport	Railway Transport	Railway Vehicle Manufacture	Railway Vehicle Repair
Raising of Animals	Real Estate Activities	Recreation	Refractory Product Manufacture
Refugee Shelter	Religious Activities	Rescue and Paramedical Services	Residence
Residential Care	Resort	Restaurant	Restroom
Retail Banking	Retail Sale	Retail Telecommunications	Road Freight Transport
Road Passenger Transport	Road Transport	Rubber Product Manufacture	Safety
Sales Yard	Satellite Ground Control	Satellite Telecommunications	Sawmilling
Scientific Research and Development	Seafood Processing	Secondary Education	Security Brokerage
Security Enforcement	Security Services	Sewerage	Sewerage Screening
Ship Construction	Ship Repair	Shooting Range	Short-term Accommodation
Signalling	Silviculture	Social Work	Soft Drink Manufacture
Solid Mineral Fuel Mining	Specialized Store	Spirit Distillery	Sports Centre
Sports Goods Manufacture	Sports, Amusement and Recreation	Station	Steel Mill
Stone Product Manufacture	Stop	Storage of Human Remains	Structural Metal Product Manufacture
Subnational Government	Sugar Manufacture	Sugar Milling	Sugar Refining
Surveying	Telecommunications	Television Broadcasting	Terminal
Textile Manufacture	Textile, Apparel and Leather Manufacture	Theatre	Tobacco Product Manufacture
Transfer Hub	Transport	Transport System Maintenance	Transportation Equipment Manufacturing
Transportation Hub	Transportation Support	Travel Agency	Urgent Medical Care
Utilities	Vacation Cottage	Veterinary	Vocational Education
Warehousing and Storage	Waste Treatment and Disposal	Water Collection	Water Distribution
Water Supply	Water Transport	Water Treatment	Weather Station
Wholesale Merchant	Wind Tunnel	Winery	Wired Repeater
Wired Telecommunications	Wireless Repeater	Wireless Telecommunications	Wood-based Manufacturing
Wooden Construction Product Manufacture	Yacht-club		

New Feature Unique Identifier 1 noInformation StructuredText Unitless 254 When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Floor Count 1 -999999 Integer unitless 0 The number of floors in a structure (for example: a building).

allowed values: -999999

Geographic Name Information : Full Name 3 No Information String Unitless 200 A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information

New (Location Country) Designation : GENC Short URN-based Identifier 1 No Information CodeList Unitless 24 The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at <http://nsgreg.nga.mil/gencc>. [Hyperlink] <http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2>

allowed values: No Information

Other

Geographic Name Information : Geographic Name Type 3 No Information Enumeration Unitless 0 The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

allowed values: Conventional
Native Transliterated
Unverified Original

Historical Original
No Information
Unverified Transliterated

Historical Transliterated
Other
Variant Original

Native Original
Provisional
Variant Transliterated

	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
New	Hospital Bed Count	1	-999999	Integer	Unitless	0	The number of beds in a hospital.
	<i>allowed values:</i> -999999						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Manufactured Building	1	No Information	Boolean	Unitless	0	An indication that a building is free-standing (detached) and self-contained and is built in a factory and then towed by a tractor to its semi-permanent site. [Description] Despite being constructed on a trailer frame with accompanying axles, wheels and a tow-hitch, they are usually left in place for the life of the building. Two or more units may be joined side-by-side to form a larger, squarer, building. They are often associated with rural areas and high-density developments termed 'trailer parks'. They may also be used as offices at building sites or small businesses.
	<i>allowed values:</i> False			No Information			True
New	Market Size	1	No Information	Enumeration	Unitless	0	Market Size
	<i>allowed values:</i> Large Small			Medium			No Information Not Applicable
New	Medical Facility	1	-999999	Integer	Unitless	0	MedicalFacility
	<i>allowed values:</i> -999999						
New	Medical Specialty	1	No Information	String	Unitless	254	Medical Specialty
	<i>allowed values:</i> No Information						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants. [Description] For example, an apartment building consisting of multiple self-contained residences individually including spaces for personal activities, cooking, eating, sleeping, and (usually) a private bathroom, or an office building housing multiple commercial establishments individually including spaces for reception, meetings, single or open-plan work areas, as well as individual or common-use bathrooms or cafeterias.
	<i>allowed values:</i> False			No Information			True
	Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.

<i>allowed values:</i> False			No Information			True
New Number Rooms	1	-999999	Integer	Unitless	0	Number of Rooms
<i>allowed values:</i> -999999						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc			Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water			Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Other Petroleum Plastic Rubber Snow Tobacco Whale Products Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood			Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc			Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation Cement Coke Glass Lead No Information Other Plastic Silver Textile Water
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed			Level			No Information Raised
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i> Buddhism Islam No Information Roman Catholic			Chaldean Judaism Orthodox Shia			Christian Mixed and/or No Designation Other Shinto Hinduism Nestorian Protestant Sunni

Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.
<i>allowed values:</i>	Cathedral Hermitage Monastery Other Seminary Tabernacle		Chapel Marabout Mosque Pagoda Shrine Temple			Church Minaret No Information Religious Community Stupa Convent Mission Noviciate Retreat Synagogue
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i>	Conical No Information Pyramidal		Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

New	Total Staff	1	-999999	Integer	Unitless	0	Total Staff
<u>allowed values:</u> -999999							
	Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<u>allowed values:</u> noInformation							
<u>allowed values:</u> pimGUID							
	Vehicle Capacity	1	-999999	Integer	Unitless	0	The number of vehicles that a feature can accommodate.
<u>allowed values:</u> -999999							
	Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<u>allowed values:</u> Adobe Brick Aluminum Brick Concrete Fibreglass Glass Iron Masonry Metal Mud-based Construction No Information Other Plant Material Prestressed Concrete Reinforced Concrete Sod Steel Stone Treated Timber Wood							
	Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<u>allowed values:</u> noInformation							
	Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
New	Window Type	1	No Information	Enumeration	Unitless	0	Type of Window
<u>allowed values:</u> No Information Open with Bars Open without Bars Other Plastic with Bars Plastic without Bars							
New	Windows Per Story	1	-999999	Integer	Unitless	0	Number of windows per story
<u>allowed values:</u> -999999							
	Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
<u>allowed values:</u> Cellular Phone Microwave Radio Relay Mobile Phone No Information Other Radio Broadcast Radio Telephone Radio-telegraph Television (TV)							

Relationships: Building (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Building (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Building (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Building (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Building (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Building (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Building (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Building (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Building (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Building (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Building (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Building (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature BuildingSuperstructure (Area) New ☐ Building Superstructure

A supplemental portion of a building which rises from the roof but is not considered to be a portion of the roof.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			<i>No Information</i>			<i>True</i>
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Building Superstructure Type	1	No Information	Enumeration	Unitless	0	The type of a superstructure that extends above the general roofline of a building.
<i>allowed values:</i> Chimney HVAC Equipment Ornamental Element Roof Garden Steeple			Cupola Lightning Rod Other Signage Tower			Dome Minaret Parapet Skylight Turret Elevator Machine Room <i>No Information</i> Roof Deck Solar Panels
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL018	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL018						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.

<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer	
<i>allowed values:</i> noInformation							
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.	
<i>allowed values:</i> noInformation							
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	
<i>allowed values:</i> noInformation							
<i>allowed values:</i> pimGUID							
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.	

allowed values: *noInformation*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
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allowed values: Cellular Phone Microwave Radio Relay Mobile Phone No Information
 Other Radio Broadcast Radio Telephone Radio-telegraph
 Television (TV)

Relationships: BuildingSuperstructure (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BuildingSuperstructure (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 BuildingSuperstructure (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 BuildingSuperstructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BuildingSuperstructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BuildingSuperstructure (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BuildingSuperstructure (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BuildingSuperstructure (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BuildingSuperstructure (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BuildingSuperstructure (Area) - is a member of group - Exactly one - StructureSrf (FeatureGroup)

Feature BuildingSuperstructure (Line)New ☐ Building Superstructure**A supplemental portion of a building which rises from the roof but is not considered to be a portion of the roof.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: <i>False</i>			No Information			<i>True</i>
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: <i>noInformation</i>						
Building Superstructure Type	1	No Information	Enumeration	Unitless	0	The type of a superstructure that extends above the general roofline of a building.
allowed values: Chimney HVAC Equipment Ornamental Element Roof Garden Steeple			Cupola Lightning Rod Other Signage Tower			Dome Minaret Parapet Skylight Turret Elevator Machine Room No Information Roof Deck Solar Panels
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: <i>[-999999, -999999]</i>						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.

<i>allowed values:</i> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> <div> <div>No Information</div> <div>Partially Operational</div> </div> <div> <div>Non-operational</div> <div>Planned</div> </div> <div> <div>Not in Operation</div> <div>Temporarily Non-operational</div> </div> <div> <div>Operational</div> </div>						
New Feature Code	1	AL018	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AL018</i>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> <i>noInformation</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> <i>No Information</i> <i>Other</i>						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> <div> <div>Conventional</div> <div>Native Transliterated</div> <div>Unverified Original</div> </div> <div> <div>Historical Original</div> <div>No Information</div> <div>Unverified Transliterated</div> </div> <div> <div>Historical Transliterated</div> <div>Other</div> <div>Variant Original</div> </div> <div> <div>Native Original</div> <div>Provisional</div> <div>Variant Transliterated</div> </div>						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999.0</i>						
Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> <i>-999999.0</i>						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999.0</i>						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999.0</i>						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
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allowed values: Cellular Phone
Other
Television (TV)

Microwave Radio Relay
Radio Broadcast

Mobile Phone
Radio Telephone

No Information
Radio-telegraph

Relationships: BuildingSuperstructure (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
BuildingSuperstructure (Line) - has dataset metadata in - Zero or one - Dataset (Area)
BuildingSuperstructure (Line) - has dataset metadata in - Zero or one - Dataset (Table)
BuildingSuperstructure (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
BuildingSuperstructure (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
BuildingSuperstructure (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
BuildingSuperstructure (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
BuildingSuperstructure (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
BuildingSuperstructure (Line) - is a member of group - Exactly one - StructureCrv (FeatureGroup)

Feature BuildingSuperstructure (Point)

New ☐ Building Superstructure

A supplemental portion of a building which rises from the roof but is not considered to be a portion of the roof.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True

Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i>	-999999.0					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
Building Superstructure Type	1	No Information	Enumeration	Unitless	0	The type of a superstructure that extends above the general roofline of a building.
<i>allowed values:</i>	Chimney HVAC Equipment Ornamental Element Roof Garden Steeple		Cupola Lightning Rod Other Signage Tower		Dome Minaret Parapet Skylight Turret Elevator Machine Room No Information Roof Deck Solar Panels	
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	[-999999, -999999]					
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i>	noInformation					
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational Operational	
New Feature Code	1	AL018	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AL018					
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i>	noInformation					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon ("."), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i>	No Information		Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated	

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
			No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
			Damaged No Information		Destroyed Unmaintained	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
<i>allowed values:</i> Cellular Phone Other Television (TV)			Microwave Radio Relay Radio Broadcast			Mobile Phone Radio Telephone No Information Radio-telegraph

Relationships: BuildingSuperstructure (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BuildingSuperstructure (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 BuildingSuperstructure (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 BuildingSuperstructure (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BuildingSuperstructure (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BuildingSuperstructure (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BuildingSuperstructure (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BuildingSuperstructure (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 BuildingSuperstructure (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 BuildingSuperstructure (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BuildingSuperstructure (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BuildingSuperstructure (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature BuiltUpArea (Area)New ☐ Built-up Area**A tract containing a concentration of buildings and/or other structures.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Built-up Area Density Category	1	No Information	Enumeration	Unitless	0	A general evaluation of the density of a built-up area, as a category.
<i>allowed values:</i> Dense			Moderate			No Information Sparse
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL020						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Commerce Other			Defence Activities Religious Activities			Manufacturing Residence No Information Utilities

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Floor Count	1	-999999	Integer	Unitless	0	The number of floors in a structure (for example: a building).
	<i>allowed values:</i> -999999						
	Geographic Name Information : Full Name (first)	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type (first)	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
New	Human Development Index	1	No Information	Enumeration	Unitless	0	The Human Development Index (HDI) value within an area, as a category.
	<i>allowed values:</i> Developing No Information			High Development Rapid Development			Highest Development Low Development
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier (first)	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

World Port Index Identifier	1	No Information	String	Unitless	14	The unique identifier element in the NGA World Port Index (Publication 150). [Description] The World Port Index lists all of the major shipping ports in the world, giving all the information (for example: latitude and longitude, facilities information, tidal data, and customs information) that a ship captain might need to prepare for a visit.
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allowed values: No Information

Relationships: BuiltUpArea (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BuiltUpArea (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 BuiltUpArea (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 BuiltUpArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BuiltUpArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BuiltUpArea (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BuiltUpArea (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BuiltUpArea (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 BuiltUpArea (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 BuiltUpArea (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BuiltUpArea (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BuiltUpArea (Area) - is a member of group - Exactly one - SettlementSrf (FeatureGroup)

Feature BuiltUpArea (Point)

New ☐ Built-up Area

A tract containing a concentration of buildings and/or other structures.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
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allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

Built-up Area Density Category	1	No Information	Enumeration	Unitless	0	A general evaluation of the density of a built-up area, as a category.
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allowed values: Dense

Moderate

No Information

Sparse

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AL020	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL020						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Commerce Other			Defence Activities Religious Activities			Manufacturing Residence No Information Utilities
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Floor Count	1	-999999	Integer	Unitless	0	The number of floors in a structure (for example: a building).
	<i>allowed values:</i> -999999						
	Geographic Name Information : Full Name (first)	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type (first)	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
New Human Development Index	1	No Information	Enumeration	Unitless	0	The Human Development Index (HDI) value within an area, as a category.
<i>allowed values:</i> Developing No Information			High Development Rapid Development			Highest Development Low Development
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier (first)	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNIntIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

World Port Index Identifier	1	No Information	String	Unitless	14	The unique identifier element in the NGA World Port Index (Publication 150). [Description] The World Port Index lists all of the major shipping ports in the world, giving all the information (for example: latitude and longitude, facilities information, tidal data, and customs information) that a ship captain might need to prepare for a visit.
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allowed values: No Information

Relationships: BuiltUpArea (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 BuiltUpArea (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 BuiltUpArea (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 BuiltUpArea (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 BuiltUpArea (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 BuiltUpArea (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 BuiltUpArea (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 BuiltUpArea (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 BuiltUpArea (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 BuiltUpArea (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 BuiltUpArea (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 BuiltUpArea (Point) - is a member of group - Exactly one - SettlementPnt (FeatureGroup)

Feature Buoy (Point)

New ☐ Buoy

A floating object moored to the bottom in a particular place, as an aid to navigation or for other specific purposes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Maritime Radiobeacon : Broadcast Frequency	2	-999999	Integer	Hertz	0	The transmission frequency of a radio communications device (for example: a television station or a radiobeacon).
<i>allowed values:</i> -999999						
Buoy Shape	1	No Information	Enumeration	Unitless	0	The principal shape and/or design of a buoy.
<i>allowed values:</i> Barrel Other			Conical Pillar			Diamond Spar No Information Super-buoy
Buoy Type	1	No Information	Enumeration	Unitless	0	The type(s) of a buoy based on its significance to maritime navigation.
<i>allowed values:</i> Large Automatic Navigation Buoy Ocean Data Acquisition System (ODAS) Buoy			Light Float Other			Mooring No Information
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Maritime Navigation Light : Character of Light	1	noInformation	StructuredText	Unitless	254	The characteristic description of a maritime light or lights at one geographic position that includes its class, number and color(s) of flashes or occultations. [Description] This text is structured as it traditionally has been represented on a paper chart. [Structure] For example: 'Q(6)+L F1, VQ G, L F1 (3+2)WR'.
<i>allowed values:</i> noInformation						
Cross-sectional Shape	1	No Information	Enumeration	Unitless	0	The cross-sectional shape of a feature in the horizontal plane.
<i>allowed values:</i> Circular Square			Irregular Triangular			No Information Other
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BC020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BC020						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Fog Signal : Fog Signal Type	1	No Information	Enumeration	Unitless	0	The type of a fog signal based on its signal characteristics and method of generation.
<i>allowed values:</i> Bell Horn Other			Diaphone No Information Reed			Explosive None Siren Gong Not Applicable Whistle
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Maritime Navigation Light : Light Elevation	1	-999999.0	Real	Metre	0	The height of a light measured from a specified datum (for example: vertical or sounding), usually high water, as defined by the National agency. [Description] When used with a buoy the elevation is measured from the water surface; when used with a lighthouse the elevation is typically measured from ground level.
	<i>allowed values:</i> -999999.0						
	Maritime Radiobeacon : Maritime Radiobeacon Type	3	No Information	Enumeration	Unitless	0	The type of an electronic aid to maritime navigation consisting of a radio transmitter that broadcasts distinctive and/or characteristic signals. [Description] For example, a directional radio beacon or a radar marker (RAMARK).
	<i>allowed values:</i> Automated Identification System (AIS) No Information Radar Responder Beacon (RACON)			Circular Radiobeacon Other Radio Direction Finding Station		Directional Radiobeacon QTG Station Rotating Pattern Radiobeacon	Long Range Air Navigation System (LORAN) C Radar Marker (RAMARK)
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Maritime Navigation Light : Multiple Light Ranges	1	noInformation	StructuredText	Unitless	254	A set of two numbers for light ranges of visibility (at a light) expressed in nautical miles. [Structure] The numbers are separated by a slash (/) if only two visibilities exist, or by a dash ('-') separating the greatest and least visibilities if three or more exist.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Mark Colour	3	No Information	Enumeration	Unitless	0	The colour(s) of a International Association of Lighthouse Authorities (IALA) navigation mark. [Description] When the navigation mark is patterned, the Attribute: 'Colour Pattern' may be used to identify the pattern and a corresponding list of colours specified.
	<i>allowed values:</i> Black Grey Red			Blue No Information Violet		Brown Orange White	Green Other Yellow
	Maritime Navigation Light : Nominal Range	1	-999999	Integer	Nautical Mile	0	The maximum distance at which a light can be seen (or signal detected) in a homogeneous atmosphere in which the meteorological visibility is 10 nautical miles (clear weather as defined by the International Visibility Code). [Description] The actual luminous range will be lesser (or occasionally greater) than the nominal range depending on prevailing weather conditions. The lesser of the geographic range and the luminous range is the range at which a light will first be sighted.
	<i>allowed values:</i> -999999						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	Dismantled
	Radar Reflector Present	1	No Information	Boolean	Unitless	0	An indication that an object has an associated radar reflector.
	<i>allowed values:</i> False			No Information		True	

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Topmark Shape	1	No Information	Enumeration	Unitless	0	The characteristic topmark or daymark shape attached to a maritime aid to navigation to aid identification. [Description] May be secured at the top of a buoy or beacon.
<i>allowed values:</i>						
2 Cones Base to Base			2 Cones Point to Point			2 Cones Points Downward
2 Spheres One over Other			Ball (Filled)			Ball (Open)
Besom Point Upward			Can (Filled)			Can (Open)
Cone over Ball			Cone Point Downward			Cone Point Upward
Diamond			Diamond over Ball			Double Cone, Points Apart (Open)
Not Applicable			Other			Upright Cross
						2 Cones Points Upward
						Ball over Cone
						Can over Ball
						Cross Over Ball (Filled)
						No Information
						X-shaped

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: Buoy (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Buoy (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Buoy (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Buoy (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Buoy (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Buoy (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Buoy (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Buoy (Point) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup)
 Buoy (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Buoy (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Cable (Line)

New ☐ Cable

A single continuous rope-like bundle consisting of multiple strands. [Description] The strands may be individually insulated and/or protected and the cable as a whole sheathed. Cables may be used for load bearing (for example, supporting or suspending equipment and/or structures), transmitting electrical power, and/or communicating signals (for example, by electrical or optical means).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Cable Suspended Shape	1	No Information	Enumeration	Unitless	0	The shape assumed by a cable suspended by a series of pylons.
<i>allowed values:</i> Mountain Catenary Symmetric Catenary			No Information			Other Overwater Catenary
Cable Type	3	No Information	Enumeration	Unitless	0	The type of a cable based on its use.
<i>allowed values:</i> Barrier Fibre-optic Other Telegraph			Cableway Guide Power Distribution Line Telephone			Communication Line Load Bearing Power Transmission Line Tethering Digital Communication Line No Information Restraining Towing
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Contained within Service Tunnel	1	No Information	Boolean	Unitless	0	The object (for example: a telecommunication cable or a power line) is located within a service tunnel.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information

	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AT005	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AT005						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Floating	1	No Information	Boolean	Unitless	0	An indication that an object is floating.
	<i>allowed values:</i> False			No Information			True
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						

Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Overhead Clearance	1	-999999.0	REAL	metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999.0						
Parallel Line Count	1	-999999	Integer	unitless	0	The total number of nominally parallel lines within the feature.
<i>allowed values:</i> -999999						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
Power Line Maximum Voltage	1	-999999.0	REAL	kilovolt	0	The maximum voltage at which a power line is designed to operate.
<i>allowed values:</i> -999999.0						
Predominant Feature Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Above Surface Below Waterbody Surface			Above Waterbody Bottom No Information			Below Ground Surface On Surface Below Waterbody Bottom On Waterbody Bottom
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry Covers and Uncovers			Always Submerged No Information			Awash at Chart Datum Other Awash at Low Water Partly Submerged

Waterbody Overhead Obstruction	1	No Information	Boolean	Unitless	0	An indication that an object is an overhead obstruction over a navigable waterbody.
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allowed values: False

No Information

True

Relationships: Cable (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Cable (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Cable (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Cable (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Cable (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Cable (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Cable (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Cable (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Cable (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Cable (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Cable (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Cable (Line) - is a member of group - Exactly one - UtilityInfrastructureCrv (FeatureGroup)

Feature Cableway (Line)New ☐ Cableway

A suspended transportation system consisting of one or more load cables, supporting pylons, carrier units (for example: cars or buckets intended to transport people, material, and/or equipment) and usually stations. [Description] A cableway consists of carrier units attached to load cables which are strung between pylons and/or stations. For example, a ski-lift.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Cable Suspended Shape	1	No Information	Enumeration	Unitless	0	The shape assumed by a cable suspended by a series of pylons.
<i>allowed values:</i> Mountain Catenary Symmetric Catenary			No Information			Other Overwater Catenary
Cableway Type	1	No Information	Enumeration	Unitless	0	The type of a cableway based on structure and/or function.
<i>allowed values:</i> Aerial Tramway Material Tramway T-bar Lift			Chair-lift No Information			Gondola Lift Other Industrial Ropeway Ski Tow
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AT041	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AT041						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Manufacturing Transport			No Information			Other Recreation

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Predominant Feature Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i>	-999999.0					
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIntC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Waterbody Overhead Obstruction	1	No Information	Boolean	Unitless	0	An indication that an object is an overhead obstruction over a navigable waterbody.
<i>allowed values:</i> False						
No Information						
True						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Cableway (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Cableway (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Cableway (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Cableway (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Cableway (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Cableway (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Cableway (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Cableway (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Cableway (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Cableway (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Cableway (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Cableway (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature Cairn (Point)

New ☐ Cairn

A heap of stones piled up as a memorial or a landmark.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AL025	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL025						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Cairn (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Cairn (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Cairn (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Cairn (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Cairn (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Cairn (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Cairn (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Cairn (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Cairn (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Cairn (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Cairn (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Cairn (Point) - is a member of group - Exactly one - CulturePnt (FeatureGroup)

Feature CallingInPoint (Point)New ☐ Calling-in Point

The location at which vessels are required to report to a traffic control center. [Description] Note that this is not the same as an aeronautical waypoint, which is for aircraft only.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Direction of Traffic - 1	1	-999999	Integer	Unitless	0	Direction of traffic, first occurrence.
<i>allowed values:</i> -999999						
Direction of Traffic - 2	1	-999999	Integer	Unitless	0	Direction of traffic, second occurrence.
<i>allowed values:</i> -999999						
Direction of Traffic - 3	1	-999999	Integer	Unitless	0	Direction of traffic, third occurrence.
<i>allowed values:</i> -999999						
Direction of Traffic - 4	1	-999999	Integer	Unitless	0	Direction of traffic, fourth occurrence.
<i>allowed values:</i> -999999						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BB050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB050						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Other							
Historical Original No Information Unverified Transliterated							
Historical Transliterated Other Variant Original							
Native Original Provisional Variant Transliterated							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<u>allowed values:</u> U							
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information							
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation							

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).

allowed values: noInformation*allowed values:* pimGUID

Relationships: CallingInPoint (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CallingInPoint (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 CallingInPoint (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 CallingInPoint (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CallingInPoint (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CallingInPoint (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CallingInPoint (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CallingInPoint (Point) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup)
 CallingInPoint (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 CallingInPoint (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Camp (Area)

New ☐ Camp

An encampment where tents and/or other easily moveable structures (for example: yurts) serve as full-time, temporary, or seasonal residences.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> <i>noInformation</i>						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> <i>[-999999, -999999]</i>						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> <i>noInformation</i>						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AI030	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> <i>AI030</i>						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Forestry and/or Logging Other			Migrant Labour Petroleum and/or Gas Extraction			Mining and Quarrying Residence No Information
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> <i>noInformation</i>						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> <i>No Information</i>						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> <i>No Information</i>			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> <i>-999999.0</i>						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Nomadic Seasonal Location	3	No Information	Enumeration	Unitless	0	The season(s) in which a nomadic people are camped at a given location.
<i>allowed values:</i> Autumn Summer						
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
<i>allowed values:</i> Damaged No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Camp (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Camp (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Camp (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Camp (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Camp (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Camp (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Camp (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Camp (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Camp (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Camp (Area) - is a member of group - Exactly one - SettlementSrf (FeatureGroup)

Feature Camp (Point)

New ☐ Camp

An encampment where tents and/or other easily moveable structures (for example: yurts) serve as full-time, temporary, or seasonal residences.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AI030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AI030						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Forestry and/or Logging Other			Migrant Labour Petroleum and/or Gas Extraction			Mining and Quarrying Residence No Information
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Nomadic Seasonal Location	3	No Information	Enumeration	Unitless	0	The season(s) in which a nomadic people are camped at a given location.
<i>allowed values:</i> Autumn Summer			No Information Winter			Other Spring
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Camp (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Camp (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Camp (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Camp (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Camp (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Camp (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Camp (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Camp (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Camp (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Camp (Point) - is a member of group - Exactly one - SettlementPnt (FeatureGroup)

Feature CampSite (Area)New ☐ Camp-site**A designated place for recreational camping.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK060						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: CampSite (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CampSite (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 CampSite (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 CampSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CampSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CampSite (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CampSite (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CampSite (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 CampSite (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 CampSite (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature CampSite (Point)

New ☐ Camp-site

A designated place for recreational camping.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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	<u>allowed values:</u> <i>noInformation</i>						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<u>allowed values:</u> <i>[-999999, -999999]</i>						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> <i>noInformation</i>						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AK060	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> <i>AK060</i>						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> <i>noInformation</i>						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> <i>-999999.0</i>						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.

<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: CampSite (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CampSite (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 CampSite (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 CampSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CampSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CampSite (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CampSite (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CampSite (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 CampSite (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 CampSite (Point) - is a member of group - Exactly one - RecreationPnt (FeatureGroup)

Feature Canal (Area)

New ☐ Canal

An artificial waterway with no flow, or a controlled flow, usable or built for navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.

allowed values: -999999.0

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
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allowed values: -999999.0

Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
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allowed values: -999999.0

Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
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allowed values: [-999999.0, -999999.0]

Inland Waterbody Bank : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
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allowed values: Indeterminate
Other

Left
Right

No Flow

No Information

allowed values: Indeterminate
Other

Left
Right

No Flow

No Information

Basic Encyclopedia (BE) Number		1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).	
<i>allowed values:</i>		<i>noInformation</i>						
Bottom Material Type		3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.	
<i>allowed values:</i>		Bedrock		Clay and Silt			Concrete	Gravel and Cobble
		Masonry		No Information			Other	Paved
		Peat		Reinforced Concrete			Rocks and Boulders	Sand
		Sand and Gravel		Sand over Mud			Silty Sands	Soil
<i>allowed values:</i>		Bedrock		Clay and Silt			Concrete	Coral
		Gravel and Cobble		Masonry			No Information	Other
		Paved		Peat			Reinforced Concrete	Rocks and Boulders
		Sand		Sand and Gravel			Sand over Mud	Silty Sands
		Slash		Soil				
<i>allowed values:</i>		Bedrock		Clay and Silt			Concrete	Coral
		Gravel and Cobble		Masonry			No Information	Other
		Paved		Peat			Reinforced Concrete	Rocks and Boulders
		Sand		Sand and Gravel			Sand over Mud	Silty Sands
		Slash		Soil				
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.	
<i>allowed values:</i>		<i>[-999999, -999999]</i>						
Water Resource Information : Chloride Concentration		1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.	
<i>allowed values:</i>		<i>-999999.0</i>						
Water Resource Information : Coliform Concentration		1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.	
<i>allowed values:</i>		<i>-999999.0</i>						
Contained within Tunnel		1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.	
<i>allowed values:</i>		<i>False</i>		No Information		<i>True</i>		
Controlling Authority		1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).	
<i>allowed values:</i>		Civilian		Joint Military and Civilian			Military	No Information
		Other		Private			Public	
Covered Drain		1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.	
<i>allowed values:</i>		<i>False</i>		No Information		<i>True</i>		
Covered Drain Length		1	-999999.0	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.	
<i>allowed values:</i>		<i>-999999.0</i>						
Water Resource Information : Cyanide Concentration		1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.	
<i>allowed values:</i>		<i>-999999.0</i>						
Deck Level		1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.	
<i>allowed values:</i>		<i>-999999</i>						

	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> Intermittent Partially Operational			No Information Planned			Non-operational Temporarily Non-operational Operational
New	Feature Code	1	BH020	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH020						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<i>allowed values:</i> -999999.0						

Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry			Intermittent			No Information Perennial
Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigability Information	1	No Information	Enumeration	Unitless	0	Information about the navigability of a body of water by ocean-going and/or large vessels. [Description] Navigability is not intended to include jet skis, motorboats or other recreational craft.
<i>allowed values:</i> Navigable No Information			Navigable and Operational Not Navigable			Navigable but Abandoned Other Navigable with Periodic Restrictions
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Predominant Average Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						

Predominant Maximum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Maximum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Water Depth	1	-999999.0	REAL	metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Predominant Waterbody Bank Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed Raised						
Level						
No Information						
Not Applicable						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False			No Information			True
<i>allowed values:</i> False			No Information			True
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

	<i>allowed values:</i> <i>noInformation</i>						
	<i>allowed values:</i> <i>pimGUID</i>						
	Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
	<i>allowed values:</i> Below Ground Surface			<i>No Information</i>			On Surface
	Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
	<i>allowed values:</i> <i>-999999.0</i>						
New	Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
	<i>allowed values:</i> <i>-999999.0</i>						
New	Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
	<i>allowed values:</i> <i>Large</i> <i>Small</i>			<i>Moderate</i>		<i>No Information</i>	<i>Other</i>
	Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
	<i>allowed values:</i> <i>-999999.0</i>						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			<i>No Information</i> <i>Treatable</i>		<i>Nonpotable</i>	<i>Other</i>
New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	<i>allowed values:</i> <i>From All Sides</i> <i>From Right</i> <i>No Information</i>			<i>From East</i> <i>From South</i>		<i>From Left</i> <i>From West</i>	<i>From North</i> <i>No Accessibility</i>
New	Water Resource Information : Water Stage	1	No Information	Enumeration	Unitless	0	The flow stage of a stream or canal.
	<i>allowed values:</i> <i>High</i> <i>Other</i>			<i>Low</i>		<i>Mean</i>	<i>No Information</i>
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish <i>No Information</i> Seawater		Brine <i>Not Applicable</i>	Fresh <i>Other</i>
	Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional <i>No Information</i> Sanitary Domestic			Commercial Livestock <i>Other</i>		Domestic Irrigation <i>Military</i> Power Generation	Industrial Municipal Recreational
	Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
	<i>allowed values:</i> <i>-999999.0</i>						
	<i>allowed values:</i> <i>-999999.0</i>						
	Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.

allowed values: [-999999.0, -999999.0]*allowed values:* [-999999.0, -999999.0]

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Canal (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Canal (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Canal (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Canal (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Canal (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Canal (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Canal (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Canal (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Canal (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Canal (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Canal (Area) - is a member of group - Exactly one - TransportationWaterSrf (FeatureGroup)

Feature Canal (Line)New ☐ Canal**An artificial waterway with no flow, or a controlled flow, usable or built for navigation.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999.0 <i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate Other			Left Right			No Flow No Information
<i>allowed values:</i> Indeterminate Other			Left Right			No Flow No Information
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.

	<i>allowed values:</i>	Bedrock	Clay and Silt	Concrete	Gravel and Cobble		
		Masonry	No Information	Other	Paved		
		Peat	Reinforced Concrete	Rocks and Boulders	Sand		
		Sand and Gravel	Sand over Mud	Silty Sands	Soil		
	<i>allowed values:</i>	Bedrock	Clay and Silt	Concrete	Coral		
		Gravel and Cobble	Masonry	No Information	Other		
		Paved	Peat	Reinforced Concrete	Rocks and Boulders		
		Sand	Sand and Gravel	Sand over Mud	Silty Sands		
		Slash	Soil				
	<i>allowed values:</i>	Bedrock	Clay and Silt	Concrete	Coral		
		Gravel and Cobble	Masonry	No Information	Other		
		Paved	Peat	Reinforced Concrete	Rocks and Boulders		
		Sand	Sand and Gravel	Sand over Mud	Silty Sands		
		Slash	Soil				
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i>	[-999999, -999999]					
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i>	-999999.0					
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i>	-999999.0					
	Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
	<i>allowed values:</i>	False		No Information		True	
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i>	Civilian	Joint Military and Civilian	Military	No Information		
		Other	Private	Public			
	Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i>	False		No Information		True	
	Covered Drain Length	1	-999999.0	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i>	-999999.0					
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i>	-999999.0					
	Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
	<i>allowed values:</i>	-999999					
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i>	-999999.0					
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.

<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> Intermittent Partially Operational <div> No Information Planned </div> Non-operational Temporarily Non-operational Operational						
New Feature Code	1	BH020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH020						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information Other						
Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original <div> Historical Original No Information Unverified Transliterated </div> Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Intermittent No Information Perennial						
Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigability Information	1	No Information	Enumeration	Unitless	0	Information about the navigability of a body of water by ocean-going and/or large vessels. [Description] Navigability is not intended to include jet skis, motorboats or other recreational craft.
<i>allowed values:</i> Navigable No Information Navigable and Operational Not Navigable Navigable but Abandoned Other Navigable with Periodic Restrictions						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Predominant Average Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Maximum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Maximum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						

Predominant Minimum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Water Depth	1	-999999.0	REAL	metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Predominant Waterbody Bank Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed Level No Information Not Applicable Raised						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False No Information True						

<i>allowed values:</i> False			No Information			True
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Below Ground Surface			No Information			On Surface
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						

New	Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
	<i>allowed values:</i> -999999.0						
New	Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
	<i>allowed values:</i> Large Small			Moderate		No Information	Other
	Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable		Nonpotable	Other
New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	<i>allowed values:</i> From All Sides From Right No Information			From East From South		From Left From West	From North No Accessibility
New	Water Resource Information : Water Stage	1	No Information	Enumeration	Unitless	0	The flow stage of a stream or canal.
	<i>allowed values:</i> High Other			Low		Mean	No Information
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other
	Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other		Domestic Irrigation Military Power Generation	Industrial Municipal Recreational
	Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
	<i>allowed values:</i> -999999.0						
	<i>allowed values:</i> -999999.0						
	Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
	<i>allowed values:</i> [-999999.0, -999999.0]						
	<i>allowed values:</i> [-999999.0, -999999.0]						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Canal (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Canal (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Canal (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Canal (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Canal (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Canal (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Canal (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Canal (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Canal (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Canal (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Canal (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Canal (Line) - is a member of group - Exactly one - TransportationWaterCrv (FeatureGroup)

Feature CanaIAON (Area)

New ☒ Canal Area of Numerous

Area of numerous artificial waterways with no flow, or a controlled flow, usable or built for navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999.0						
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate			Left	No Flow		No Information
<i>allowed values:</i> Other			Right			
<i>allowed values:</i> Indeterminate			Left	No Flow		No Information
<i>allowed values:</i> Other			Right			
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.

	<i>allowed values:</i>	Bedrock Masonry Peat Sand and Gravel		Clay and Silt No Information Reinforced Concrete Sand over Mud		Concrete Other Rocks and Boulders Silty Sands		Gravel and Cobble Paved Sand Soil
	<i>allowed values:</i>	Bedrock Gravel and Cobble Paved Sand Slash		Clay and Silt Masonry Peat Sand and Gravel Soil		Concrete No Information Reinforced Concrete Sand over Mud		Coral Other Rocks and Boulders Silty Sands
	<i>allowed values:</i>	Bedrock Gravel and Cobble Paved Sand Slash		Clay and Silt Masonry Peat Sand and Gravel Soil		Concrete No Information Reinforced Concrete Sand over Mud		Coral Other Rocks and Boulders Silty Sands
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.	
	<i>allowed values:</i>	[-999999, -999999]						
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.	
	<i>allowed values:</i>	-999999.0						
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per milliilitre of solution, and reported as Coliform Microbial Density.	
	<i>allowed values:</i>	-999999.0						
	Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.	
	<i>allowed values:</i>	False		No Information		True		
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).	
	<i>allowed values:</i>	Civilian Other		Joint Military and Civilian Private		Military Public	No Information	
	Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.	
	<i>allowed values:</i>	False		No Information		True		
	Covered Drain Length	1	-999999.0	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.	
	<i>allowed values:</i>	-999999.0						
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.	
	<i>allowed values:</i>	-999999.0						
	Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.	
	<i>allowed values:</i>	-999999						
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.	
	<i>allowed values:</i>	-999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.	

<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Planned Non-operational Temporarily Non-operational Operational Partially Operational						
New Feature Code	1	NM020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> NM020						
Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.
<i>allowed values:</i> -999999						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original Historical Original No Information Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry						
Intermittent						
No Information						
Perennial						

Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<u>allowed values:</u> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999.0						
Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<u>allowed values:</u> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigability Information	1	No Information	Enumeration	Unitless	0	Information about the navigability of a body of water by ocean-going and/or large vessels. [Description] Navigability is not intended to include jet skis, motorboats or other recreational craft.
<u>allowed values:</u> Navigable No Information Navigable and Operational Not Navigable Navigable but Abandoned Other Navigable with Periodic Restrictions						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False No Information True						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<u>allowed values:</u> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Predominant Average Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> -999999.0						
Predominant Maximum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> -999999.0						
Predominant Maximum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.

<i>allowed values:</i> -999999.0						
Predominant Minimum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Water Depth	1	-999999.0	REAL	metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Predominant Waterbody Bank Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed <div> <div>Depressed</div> <div>Raised</div> </div> Level <div> <div>No Information</div> <div>Not Applicable</div> </div>						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						

Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False			No Information			True
<i>allowed values:</i> False			No Information			True
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble			Erosion Rubble			Ice
Marshy			Mud			No Information
Sandy			Shingly			Stony
<i>allowed values:</i> Building Rubble			Erosion Rubble			Ice
Marshy			Mud			No Information
Sandy			Shingly			Stony
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration orodelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Above Surface			Below Ground Surface			No Information
						On Surface

	Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
	<i>allowed values:</i> -999999.0						
New	Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
	<i>allowed values:</i> -999999.0						
New	Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
	<i>allowed values:</i> Large Small			Moderate		No Information	Other
	Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable		Nonpotable	Other
New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	<i>allowed values:</i> From All Sides From Right No Information			From East From South		From Left From West	From North No Accessibility
New	Water Resource Information : Water Stage	1	No Information	Enumeration	Unitless	0	The flow stage of a stream or canal.
	<i>allowed values:</i> High Other			Low		Mean	No Information
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other
	Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other		Domestic Irrigation Military Power Generation	Industrial Municipal Recreational
	Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
	<i>allowed values:</i> -999999.0						
	<i>allowed values:</i> -999999.0						
	Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
	<i>allowed values:</i> [-999999.0, -999999.0]						
	<i>allowed values:</i> [-999999.0, -999999.0]						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: CanalAON (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CanalAON (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 CanalAON (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 CanalAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CanalAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CanalAON (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CanalAON (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CanalAON (Area) - is a member of group - Exactly one - TransportationWaterAON (FeatureGroup)
 CanalAON (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)

Feature Cane (Area)

New ☐ Cane

A tract covered mainly by large treelike grasses. [Description] For example, bamboo and sugarcane.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	EC010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EC010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<u>allowed values:</u> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<u>allowed values:</u> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Cane (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Cane (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Cane (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Cane (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Cane (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Cane (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Cane (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Cane (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Cane (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Cane (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Cane (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Cane (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature CantonmentArea (Area) New ☐ Cantonment Area

An area containing military quarters. [Description] Typically consisting of the residential sections of a military installation, where tactical training may be limited due to other activities that would endanger and disrupt personnel and their dependents.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	SU004	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> SU004						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships:

- CantonmentArea (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
- CantonmentArea (Area) - has dataset metadata in - Zero or one - Dataset (Area)
- CantonmentArea (Area) - has dataset metadata in - Zero or one - Dataset (Table)
- CantonmentArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
- CantonmentArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
- CantonmentArea (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
- CantonmentArea (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
- CantonmentArea (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
- CantonmentArea (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
- CantonmentArea (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature CaravanPark (Area)

New ☐ Caravan Park

A prepared site, typically including facilities, used for holiday accommodations where caravans and/or motor homes are parked. [Description] Caravans are travel trailers towed behind vehicles while motor homes are self-contained vehicles used for both travel and accommodations. Facilities may include utility connections (for example: water, power, or gas), convenience store(s), showers, laundry facilities, and swimming pools.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private		Military Public No Information	
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational Operational	
New Feature Code	1	AI020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AI020						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Convenience Store Meeting Place Recreation Restroom			Food Service No Information Religious Activities		Grocery Other Residence Laundry Petrol Sale Restaurant	
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOSINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: CaravanPark (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CaravanPark (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 CaravanPark (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 CaravanPark (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CaravanPark (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CaravanPark (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CaravanPark (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CaravanPark (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 CaravanPark (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 CaravanPark (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 CaravanPark (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 CaravanPark (Area) - is a member of group - Exactly one - SettlementSrf (FeatureGroup)

Feature CartTrack (Line)New ☐ Cart Track

An unimproved road. [Description] The surface is usually rough (for example: rutted) and minimally prepared (for example: packed earth or thinly covered with gravel).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
<i>allowed values:</i> -999999						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AP010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed			Level			No Information Raised
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ism/7.0.0/CVenumlSMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> <i>noInformation</i>						
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.
<u>allowed values:</u> All-weather No Information			Closed in Winter Other			Fair-weather Winter Only Limited All-weather
Route Designation	3	No Information	String	Unitless	24	The official type(s) and/or designation(s) assigned to a route. [Description] A road network may be identified in accordance with a specified typing scheme (for example: based the nature of service that it is intended to provide) and numbering scheme (for example: composed of a prefix indicating an administrative region and then a number).
<u>allowed values:</u> <i>No Information</i>						
Route Pavement Information : Route Minimum Travelled Way Width	1	-999999.0	REAL	metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.
<u>allowed values:</u> <i>-999999.0</i>						
New Sinuosity	1	-999999.0	Real	Metres	0	The actual path length divided by the shortest path length of a section of the road or trail allowing for estimates of speed given the curves of the roadway. [Description] This allows for routing algorithms to more precisely estimate the speed.
<u>allowed values:</u> <i>-999999.0</i>						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> <i>noInformation</i>						
Speed Limit (KPH)	1	-999999.0	Real	Kilometre per Hour	0	The maximum vehicle speed legally permitted, expressed in kilometres per hour.
<u>allowed values:</u> <i>-999999.0</i>						
Speed Limit (MPH)	1	-999999.0	Real	Statute Mile per Hour	0	The maximum vehicle speed legally permitted, expressed in miles per hour.
<u>allowed values:</u> <i>-999999.0</i>						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<u>allowed values:</u> <i>False</i>			No Information			<i>True</i>

Through Route	1	No Information	Boolean	Unitless	0	An indication that a ground transportation route (for example: road, cart track or trail) is the most direct way through (both into and then out of) a built-up area or populated place. [Description] Routes may branch off of the main through route providing an alternate through route out of the built-up area or populated place. The direct or alternate ways through a built-up area or populated place may consist of the quickest or shortest route. A through route may have devices (for example: traffic lights) to control traffic flow.
<i>allowed values:</i> False No Information True						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Automotive Bus Caravan Route No Information Other Pipeline Maintenance Portage Power Line Maintenance						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Below Ground Surface No Information On Surface On Waterbody Bottom						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: CartTrack (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CartTrack (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 CartTrack (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 CartTrack (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CartTrack (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CartTrack (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CartTrack (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CartTrack (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 CartTrack (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 CartTrack (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 CartTrack (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 CartTrack (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature Castle (Area)

New ☐ Castle

A single large fortified building that has thick walls, battlements, and often the presence of a moat, and is commonly of some historical significance. [Description] Historically castles were designed and constructed as defensive structures situated so as to dominate the surrounding countryside. With advancing technology, especially artillery, they have become obsolete for military defensive purposes and are now valued primarily for their historical significance. In more recent times elaborate country houses were built incorporating many design elements of a castle but which were not fully capable of being used as defensive structures. Examples of castles of both types include Doue-la-Fontaine and Neuschwanstein.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.

allowed values: No Information

	Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
	<i>allowed values:</i> False			No Information			True
	Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<i>allowed values:</i> -999999.0						
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AL375	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL375						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Administration Civil Activities Government Meeting Place Palace			Amusement Defence Activities Headquarters Museum Religious Activities			Armory Emergency Operations Hotel No Information Residence Banquet Hall Food Service Imprisonment Other Restaurant
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Floor Count	1	-999999	Integer	Unitless	0	The number of floors in a structure (for example: a building).
	<i>allowed values:</i> -999999						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2

allowed values: No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
allowed values: Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants. [Description] For example, an apartment building consisting of multiple self-contained residences individually including spaces for personal activities, cooking, eating, sleeping, and (usually) a private bathroom, or an office building housing multiple commercial establishments individually including spaces for reception, meetings, single or open-plan work areas, as well as individual or common-use bathrooms or cafeterias.
allowed values: False			No Information			True
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
allowed values: Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Castle (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Castle (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Castle (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Castle (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Castle (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Castle (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Castle (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Castle (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Castle (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Castle (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Castle (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Castle (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature Castle (Point)

New ☐ Castle

A single large fortified building that has thick walls, battlements, and often the presence of a moat, and is commonly of some historical significance. [Description] Historically castles were designed and constructed as defensive structures situated so as to dominate the surrounding countryside. With advancing technology, especially artillery, they have become obsolete for military defensive purposes and are now valued primarily for their historical significance. In more recent times elaborate country houses were built incorporating many design elements of a castle but which were not fully capable of being used as defensive structures. Examples of castles of both types include Doue-la-Fontaine and Neuschwanstein.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						

	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AL375	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL375						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Administration Civil Activities Government Meeting Place Palace			Amusement Defence Activities Headquarters Museum Religious Activities			Armory Emergency Operations Hotel No Information Residence Banquet Hall Food Service Imprisonment Other Restaurant
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Floor Count	1	-999999	Integer	Unitless	0	The number of floors in a structure (for example: a building).
	<i>allowed values:</i> -999999						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants. [Description] For example, an apartment building consisting of multiple self-contained residences individually including spaces for personal activities, cooking, eating, sleeping, and (usually) a private bathroom, or an office building housing multiple commercial establishments individually including spaces for reception, meetings, single or open-plan work areas, as well as individual or common-use bathrooms or cafeterias.
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allowed values: False

No Information

True

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: *noInformation*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: Castle (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Castle (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Castle (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Castle (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Castle (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Castle (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Castle (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Castle (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Castle (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Castle (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Castle (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Castle (Point) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup)

Feature CastleComplex (Area)

New ☐ Castle Complex

A fortified complex of buildings and related structures that consists principally of a central keep with surrounding thick walls, battlements, and often the presence of a moat, and is commonly of some historical significance. [Description] A castle complex may be quite extensive, including multiple distinct buildings of diverse function. Historically castle complexes were designed and constructed as defensive structures situated so as to dominate the surrounding countryside. With advancing technology, especially artillery, they have become obsolete for military defensive purposes and are now valued primarily for their historical significance. Examples of castle complexes include Prague and Windsor Castles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL376	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL376						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Administration Civil Activities Government Meeting Place Palace			Amusement Defence Activities Headquarters Museum Religious Activities			Armory Emergency Operations Hotel No Information Residence Banquet Hall Food Service Imprisonment Other Restaurant
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: *No Information*

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' or '(cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: CastleComplex (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CastleComplex (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 CastleComplex (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 CastleComplex (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CastleComplex (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CastleComplex (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CastleComplex (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CastleComplex (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 CastleComplex (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 CastleComplex (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 CastleComplex (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 CastleComplex (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature CastleComplex (Point)New ☐ Castle Complex

A fortified complex of buildings and related structures that consists principally of a central keep with surrounding thick walls, battlements, and often the presence of a moat, and is commonly of some historical significance. [Description] A castle complex may be quite extensive, including multiple distinct buildings of diverse function. Historically castle complexes were designed and constructed as defensive structures situated so as to dominate the surrounding countryside. With advancing technology, especially artillery, they have become obsolete for military defensive purposes and are now valued primarily for their historical significance. Examples of castle complexes include Prague and Windsor Castles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other <div> Joint Military and Civilian Private Military Public No Information </div>						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational <div> Non-operational Planned Not in Operation Temporarily Non-operational Operational </div>						
New Feature Code	1	AL376	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL376						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

	allowed values:	Administration Civil Activities Government Meeting Place Palace	Amusement Defence Activities Headquarters Museum Religious Activities	Armory Emergency Operations Hotel No Information Residence	Banquet Hall Food Service Imprisonment Other Restaurant		
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	allowed values:	noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
New	allowed values:	No Information					
	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	allowed values:	No Information			Other		
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	allowed values:	Conventional Native Transliterated Unverified Original	Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated		
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	allowed values:	-999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	allowed values:	-999999.0					
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	allowed values:	-999999.0					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	allowed values:	No Information					
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	allowed values:	No Information					

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: CastleComplex (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CastleComplex (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 CastleComplex (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 CastleComplex (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CastleComplex (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CastleComplex (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CastleComplex (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CastleComplex (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 CastleComplex (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 CastleComplex (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 CastleComplex (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 CastleComplex (Point) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup)

Feature CatalyticCracker (Area)

New ☐ Catalytic Cracker

A device in which the separation of petroleum is carried out in the presence of a catalyst.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AC020	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AC020						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick Metal Reinforced Concrete Concrete No Information Steel Iron Other Masonry Prestressed Concrete						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: CatalyticCracker (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
CatalyticCracker (Area) - has dataset metadata in - Zero or one - Dataset (Area)
CatalyticCracker (Area) - has dataset metadata in - Zero or one - Dataset (Table)
CatalyticCracker (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
CatalyticCracker (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
CatalyticCracker (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
CatalyticCracker (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
CatalyticCracker (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
CatalyticCracker (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature CatalyticCracker (Point)

New ☐ Catalytic Cracker

A device in which the separation of petroleum is carried out in the presence of a catalyst.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False						
No Information						
True						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.

<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other						
Joint Military and Civilian Private						
Military Public						
No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational						
Non-operational Planned						
Not in Operation Temporarily Non-operational						
Operational						
New Feature Code	1	AC020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AC020						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original						
Historical Original No Information Unverified Transliterated						
Historical Transliterated Other Variant Original						
Native Original Provisional Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick Metal Reinforced Concrete			Concrete No Information Steel			Iron Other Masonry Prestressed Concrete

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

- Relationships:** CatalyticCracker (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
CatalyticCracker (Point) - has dataset metadata in - Zero or one - Dataset (Area)
CatalyticCracker (Point) - has dataset metadata in - Zero or one - Dataset (Table)
CatalyticCracker (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
CatalyticCracker (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
CatalyticCracker (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
CatalyticCracker (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
CatalyticCracker (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
CatalyticCracker (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
CatalyticCracker (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
CatalyticCracker (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
CatalyticCracker (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature CausewayStructure (Area)

New ☐ Causeway Structure

A solid raised way across a terrain obstacle (for example: a wetland or a body of shallow water) that is intended to support a transportation route (for example: a road or a railway). [Description] The causeway structure is often constructed from local fill supplemented by other materials (for example: rocks, boulders or gravel) and consists of a solid linear structure in the configuration of an embankment. Causeway structures are built just high enough to insure that the transportation route will remain passable during periods of flooding, tides and seasonal rainfall. Culverts may occur along the length of the causeway structure and individual sections of the causeway structure may be interrupted by bridges.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> No Information			Other			Private Public
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ063	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AQ063						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False							
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Boulders Mud Rubble			Gravel No Information Sand			Lava Other Soil Loess Rock
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aqueduct Railway			No Information Road			Other Pedestrian
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry			Covers and Uncovers			No Information Other

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: CausewayStructure (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
CausewayStructure (Area) - has dataset metadata in - Zero or one - Dataset (Area)
CausewayStructure (Area) - has dataset metadata in - Zero or one - Dataset (Table)
CausewayStructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
CausewayStructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
CausewayStructure (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
CausewayStructure (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
CausewayStructure (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
CausewayStructure (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
CausewayStructure (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature CausewayStructure (Line)

New ☐ Causeway Structure

A solid raised way across a terrain obstacle (for example: a wetland or a body of shallow water) that is intended to support a transportation route (for example: a road or a railway). [Description] The causeway structure is often constructed from local fill supplemented by other materials (for example: rocks, boulders or gravel) and consists of a solid linear structure in the configuration of an embankment. Causeway structures are built just high enough to insure that the transportation route will remain passable during periods of flooding, tides and seasonal rainfall. Culverts may occur along the length of the causeway structure and individual sections of the causeway structure may be interrupted by bridges.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> No Information			Other			
			Private		Public	
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information			Non-operational			
			Planned		Not in Operation	
			Partially Operational		Temporarily Non-operational	
New Feature Code	1	AQ063	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ063						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information	True		
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information	Destroyed Unmaintained	Dismantled	

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Boulders Mud Rubble			Gravel No Information Sand			Lava Other Soil Loess Rock
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.

allowed values: Aqueduct
Railway

No Information
Road

Other

Pedestrian

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: CausewayStructure (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
CausewayStructure (Line) - has dataset metadata in - Zero or one - Dataset (Area)
CausewayStructure (Line) - has dataset metadata in - Zero or one - Dataset (Table)
CausewayStructure (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
CausewayStructure (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
CausewayStructure (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
CausewayStructure (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
CausewayStructure (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
CausewayStructure (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
CausewayStructure (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
CausewayStructure (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
CausewayStructure (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature CaveChamber (Area)

New ☐ Cave Chamber

An interconnected series of naturally occurring subterranean chambers. [Description] Typically located in limestone, and often open to the Earth's surface either vertically or horizontally. Alterations may have been made to the cave chamber.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
Cave Information : Cave Type	1	No Information	Enumeration	Unitless	0	The type of a cave based on its dominant method of formation. [Description] A cave is a naturally occurring subterranean chamber.
allowed values: Aeolian No Information Waterbody			Erosional Other			Glacier Solution Lava Talus
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

		<i>allowed values:</i> Civilian Other		Joint Military and Civilian Private		Military Public	No Information
	Deepest Depth Below Surface Level	1	-999999.0	REAL	metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0							
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Planned				Non-operational Temporarily Non-operational		Operational	Partially Operational
New	Feature Code	1	DB028	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB028							
	Cave Information : Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Defence Activities Residence				No Information Warehousing and Storage		Other	Religious Activities
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information				Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Least Depth Below Surface Level	1	-999999.0	REAL	metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Cave Information : Underground Access Orientation	1	No Information	Enumeration	Unitless	0	The ground slope of the floor of the entrance at the point of access for an underground feature (for example: a cave, tunnel or underground extraction mine) as a category.

allowed values:	Horizontal Vertical Down		No Information Vertical Up			Slopes Downward	Slopes Upward
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	

allowed values: noInformation**allowed values:** pimGUID

Relationships: CaveChamber (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CaveChamber (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 CaveChamber (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 CaveChamber (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CaveChamber (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CaveChamber (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CaveChamber (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CaveChamber (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 CaveChamber (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 CaveChamber (Area) - is a member of group - Exactly one - SubterraneanSrf (FeatureGroup)

Feature CaveMouth (Point)New ☐ Cave Mouth

The entrance to an interconnected series of naturally occurring subterranean chambers. [Description] Typically located in limestone, and often open to the Earth's surface either vertically or horizontally. Alterations may have been made to the cave mouth.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
Cave Information : Cave Type	1	No Information	Enumeration	Unitless	0	The type of a cave based on its dominant method of formation. [Description] A cave is a naturally occurring subterranean chamber.
allowed values: Aeolian No Information Waterbody			Erosional Other			Glacier Solution Lava Talus
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						
New Feature Code	1	DB029	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: DB029						
Cave Information : Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

<i>allowed values:</i>		Defence Activities	No Information	Other		Religious Activities	
	Residence			Warehousing and Storage			
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>		Conventional		Historical Original		Historical Transliterated	Native Original
		Native Transliterated		No Information		Other	Provisional
		Unverified Original		Unverified Transliterated		Variant Original	Variant Transliterated
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True	
	Overhead Clearance	1	-999999.0	REAL	metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999.0							
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>		Construction		Damaged		Destroyed	Dismantled
		Intact		No Information		Unmaintained	

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Cave Information : Underground Access Orientation	1	No Information	Enumeration	Unitless	0	The ground slope of the floor of the entrance at the point of access for an underground feature (for example: a cave, tunnel or underground extraction mine) as a category.
<i>allowed values:</i> Horizontal Vertical Down			No Information Vertical Up			Slopes Downward Slopes Upward
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						

allowed values: pimGUID

Relationships: CaveMouth (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CaveMouth (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 CaveMouth (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 CaveMouth (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CaveMouth (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CaveMouth (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CaveMouth (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CaveMouth (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 CaveMouth (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 CaveMouth (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 CaveMouth (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 CaveMouth (Point) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup)

Feature Cemetery (Area) New ☐ Cemetery

A site and associated structures devoted to the burial of the dead.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL030						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.

allowed values:	Buddhism	Chaldean	Christian	Hinduism		
	Islam	Judaism	Mixed and/or No Designation	Nestorian		
	No Information	Orthodox	Other	Protestant		
	Roman Catholic	Shia	Shinto	Sunni		
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
allowed values:	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values:	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
allowed values:	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
allowed values:	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
allowed values:	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
allowed values:	noInformation					
Structurally-dissected	1	No Information	Boolean	Unitless	0	An indication that at least 50 percent of the terrain within an area is covered by a large number of vertical structures that are separated by ground-level passageways (for example: walkways, alleys, roads). [Description] A high concentration of vertical structures provides good cover and concealment, limits fields of observation and fire, and slows, diverts, or stops the movement of personnel or vehicles. Vertical structures are man-made features or objects, for example, buildings or non-building structures, such as, water towers, storage tanks, tombs, grave markers or memorial monuments.
allowed values:	False		No Information			True

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Cemetery (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Cemetery (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Cemetery (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Cemetery (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Cemetery (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Cemetery (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Cemetery (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Cemetery (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Cemetery (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Cemetery (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Cemetery (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Cemetery (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature Cemetery (Point)New ☐ Cemetery**A site and associated structures devoted to the burial of the dead.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private		Military Public No Information	

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AL030	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL030						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i> Buddhism Islam No Information Roman Catholic			Chaldean Judaism Orthodox Shia			Christian Mixed and/or No Designation Other Shinto Hinduism Nestorian Protestant Sunni
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
New Structurally-dissected	1	No Information	Boolean	Unitless	0	An indication that at least 50 percent of the terrain within an area is covered by a large number of vertical structures that are separated by ground-level passageways (for example: walkways, alleys, roads). [Description] A high concentration of vertical structures provides good cover and concealment, limits fields of observation and fire, and slows, diverts, or stops the movement of personnel or vehicles. Vertical structures are man-made features or objects, for example, buildings or non-building structures, such as, water towers, storage tanks, tombs, grave markers or memorial monuments.
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Cemetery (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Cemetery (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Cemetery (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Cemetery (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Cemetery (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Cemetery (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Cemetery (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Cemetery (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Cemetery (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Cemetery (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Cemetery (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Cemetery (Point) - is a member of group - Exactly one - CulturePnt (FeatureGroup)

Feature Checkpoint (Point)

New ☐ Checkpoint

A location to control passage and/or to register, declare and/or inspect goods, vehicles and/or people.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AH070	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AH070						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Customs Checkpoint No Information Security Services			Immigration Control Other		Inspection Public Order	Inspection Station Public Order, Safety and Security Services
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aeronautical Other			Maritime Pedestrian			No Information Railway No Transportation System Road

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Checkpoint (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Checkpoint (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Checkpoint (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Checkpoint (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Checkpoint (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Checkpoint (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Checkpoint (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Checkpoint (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Checkpoint (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Checkpoint (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Checkpoint (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Checkpoint (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature Cistern (Point)New ☐ Cistern**A man-made container used for the collection and/or storage of water.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.

<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information						
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	BI010	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information Other						
Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original Historical Original No Information Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			<i>Ephemeral</i>			Intermittent No Information
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
New Pump Present	1	No Information	Boolean	Unitless	0	An indication that a feature supports, contains, or makes use of one or more pumps.
<i>allowed values:</i> False			No Information			True

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick Metal Reinforced Concrete						
Concrete No Information Steel Iron Other Stone Masonry Prestressed Concrete						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Sanitary Domestic						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Cistern (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Cistern (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Cistern (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Cistern (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Cistern (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Cistern (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Cistern (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Cistern (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Cistern (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Cistern (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Cistern (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Cistern (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature CisternAON (Area)New ☒ **Cistern Area of Numerous****Area of numerous man-made containers used for the collection and/or storage of water.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	NU010	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	NU010					
	Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.
	<i>allowed values:</i>	-999999					
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i>	noInformation					
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i>	No Information		Other			
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999.0					
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i>	Dry Perennial		Ephemeral		Intermittent No Information	
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999.0					
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.

<i>allowed values:</i> False			No Information			True
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
New Pump Present	1	No Information	Boolean	Unitless	0	An indication that a feature supports, contains, or makes use of one or more pumps.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> <div> <div>Brick</div> <div>Metal</div> <div>Reinforced Concrete</div> </div> <div> <div>Concrete</div> <div>No Information</div> <div>Steel</div> </div> <div> <div>Iron</div> <div>Other</div> <div>Stone</div> </div> <div> <div>Masonry</div> <div>Prestressed Concrete</div> </div>						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						

Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Sanitary Domestic

Relationships: CisternAON (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CisternAON (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 CisternAON (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 CisternAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CisternAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CisternAON (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CisternAON (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CisternAON (Area) - is a member of group - Exactly one - HydrographyAON (FeatureGroup)
 CisternAON (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)

Feature ClearedWay (Area)

New ☐ Cleared Way

A man-made cleared strip through a vegetated region. [Description] May be designed to: provide access for a road, railroad, pipeline, power transmission line, or electrical signal line; demarcate a boundary; obtain survey line-of-sight; or to impede the progress of forest fires (a firebreak).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	EC040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EC040						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Historical Original No Information Unverified Transliterated							
Historical Transliterated Other Variant Original							
Native Original Provisional Variant Transliterated							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<u>allowed values:</u> U							
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information							
Other							

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: ClearedWay (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ClearedWay (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ClearedWay (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ClearedWay (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ClearedWay (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ClearedWay (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ClearedWay (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ClearedWay (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ClearedWay (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ClearedWay (Area) - is a member of group - Exactly one - VegetationSrf (FeatureGroup)

Feature ClearedWay (Line)New ☐ Cleared Way

A man-made cleared strip through a vegetated region. [Description] May be designed to: provide access for a road, railroad, pipeline, power transmission line, or electrical signal line; demarcate a boundary; obtain survey line-of-sight; or to impede the progress of forest fires (a firebreak).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	EC040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EC040						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISNonIC	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISOwnerProducer	
<i>allowed values:</i> noInformation							

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
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allowed values: -999999.0

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: ClearedWay (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ClearedWay (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 ClearedWay (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 ClearedWay (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ClearedWay (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ClearedWay (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ClearedWay (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ClearedWay (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ClearedWay (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ClearedWay (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ClearedWay (Line) - is a member of group - Exactly one - VegetationCrv (FeatureGroup)

Feature ConservationArea (Area)

New ☐ Conservation Area

An area of land and/or sea especially dedicated to the protection and maintenance of biological diversity, and of natural and associated cultural resources, and managed through legal or other effective means. [Description] As determined, for example, by the International Union for Conservation of Nature and Natural Resources (IUCN).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Conservation Area Management Category	1	No Information	Enumeration	Unitless	0	The category of a protected area based on level of protection and the enabling laws of the controlling entity (for example: State) or rules of international organization (for example: as determined by the International Union for Conservation of Nature and Natural Resources (IUCN)).
	<i>allowed values:</i> Breeding Ground Managed Resource Protected Area Other Wilderness Area			Habitat and/or Species Management Area National Park Protected Landscape or Seascape			Habitat Management Area Natural Monument Species Management Area Managed Forest Protected Area No Information Strict Nature Reserve
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	FA210	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> FA210						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
	<i>allowed values:</i> At Shoreline			Inland			No Information Offshore

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: ConservationArea (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ConservationArea (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ConservationArea (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ConservationArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ConservationArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ConservationArea (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ConservationArea (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ConservationArea (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ConservationArea (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ConservationArea (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ConservationArea (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ConservationArea (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature ContaminatedRegion (Area)New ☐ Contaminated Region

A region whose prevailing natural conditions have been degraded through contamination by harmful or objectionable substances. [Description] The contamination may be either naturally occurring or the result of human activity. For example, polluted by sewage or toxic chemicals, obscured by smoke or ash from volcanic eruptions, or contaminated by exposure to Chemical, Biological, Radiological, and/or Nuclear (CBRN) agents.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Contaminant Source	1	No Information	Enumeration	Unitless	0	The source(s) of contaminants present in a region.
<i>allowed values:</i> Dredging Naturally Occurring Spoil			Factories No Information Wrecks	Farm Run-off Other		Military Operations Sewers
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						

New	Feature Code	1	FA012	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> FA012						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>			Conventional Native Transliterated Unverified Original	Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Military Environmental Hazard Category	1	No Information	Enumeration	Unitless	0	The category(ies) of environmental hazards present in a region that affect military operations.
	<i>allowed values:</i>			Biological Other	Chemical Thermal	No Information	Nuclear and/or Radiological
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: ContaminatedRegion (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ContaminatedRegion (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ContaminatedRegion (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ContaminatedRegion (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ContaminatedRegion (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ContaminatedRegion (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ContaminatedRegion (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ContaminatedRegion (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ContaminatedRegion (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature ContaminatedRegion (Point)New ☐ Contaminated Region

A region whose prevailing natural conditions have been degraded through contamination by harmful or objectionable substances. [Description] The contamination may be either naturally occurring or the result of human activity. For example, polluted by sewage or toxic chemicals, obscured by smoke or ash from volcanic eruptions, or contaminated by exposure to Chemical, Biological, Radiological, and/or Nuclear (CBRN) agents.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Contaminant Source	1	No Information	Enumeration	Unitless	0	The source(s) of contaminants present in a region.
<i>allowed values:</i> Dredging Naturally Occurring Spoil			Factories No Information Wrecks			Farm Run-off Other Military Operations Sewers
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	FA012	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FA012						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2

allowed values: No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Military Environmental Hazard Category	1	No Information	Enumeration	Unitless	0	The category(ies) of environmental hazards present in a region that affect military operations.
allowed values: Biological Other			Chemical Thermal			No Information Nuclear and/or Radiological
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
allowed values: U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values: No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
allowed values: noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
allowed values: noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: ContaminatedRegion (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ContaminatedRegion (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 ContaminatedRegion (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 ContaminatedRegion (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ContaminatedRegion (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ContaminatedRegion (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ContaminatedRegion (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ContaminatedRegion (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ContaminatedRegion (Point) - is a member of group - Exactly one - CulturePnt (FeatureGroup)

Feature ControlTower (Area)

New ☐ Control Tower

A structure that houses personnel and equipment used to control the flow of traffic within a specified range of an installation. [Description] Examples of installations that use control towers are aerodromes, railways, and maritime routes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.

allowed values: No Information

Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
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allowed values: False

No Information

True

	Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<i>allowed values:</i> -999999.0						
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AQ060	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ060						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Air Traffic Control Harbour Control Other Water Transport			Air Transport Inland Waters Transport Port Control			Canal Transport Maritime Pilotage Railway Transport Emergency Operations No Information Signalling
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False							
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aeronautical No Information			Canal Other			Inland Waterway Railway Maritime Road
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Iron Other Wood			Brick Masonry Prestressed Concrete			Concrete Metal Reinforced Concrete Glass No Information Steel
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: ControlTower (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
ControlTower (Area) - has dataset metadata in - Zero or one - Dataset (Area)
ControlTower (Area) - has dataset metadata in - Zero or one - Dataset (Table)
ControlTower (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
ControlTower (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
ControlTower (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
ControlTower (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
ControlTower (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
ControlTower (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
ControlTower (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature ControlTower (Point)

New ☐ Control Tower

A structure that houses personnel and equipment used to control the flow of traffic within a specified range of an installation. [Description] Examples of installations that use control towers are aerodromes, railways, and maritime routes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AQ060	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	AQ060					
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i>	Air Traffic Control Harbour Control Other Water Transport					
				Air Transport Inland Waters Transport Port Control		Canal Transport Maritime Pilotage Railway Transport	Emergency Operations No Information Signalling
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i>	noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i>	No Information					
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Native Transliterated Unverified Original					
				Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999.0					
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999.0					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>	No Information					

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aeronautical No Information			Canal Other			Inland Waterway Railway Maritime Road
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Iron Other Wood			Brick Masonry Prestressed Concrete			Concrete Metal Reinforced Concrete Glass No Information Steel
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: ControlTower (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
ControlTower (Point) - has dataset metadata in - Zero or one - Dataset (Area)
ControlTower (Point) - has dataset metadata in - Zero or one - Dataset (Table)
ControlTower (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
ControlTower (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
ControlTower (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
ControlTower (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
ControlTower (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
ControlTower (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
ControlTower (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
ControlTower (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
ControlTower (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)

Feature Conveyor (Line)

New ☐ Conveyor

A device for conveying articles or materials from one location to another during manufacture or processing using a continuously moving mechanism. [Description] Usually long, thin, and rectangular, and located above ground surface. It can be situated horizontally, vertically, at a slope between flat and upright, or in a combination of these postures. In general, conveyor systems consist of the bucket, screw (auger), apron, or flight conveyors to load silos or bunkers. Other systems use a series of rollers to move a range of products from relatively lightweight luggage and cargo packages at transportation terminals, up to heavyweight plate steel and ingots in industrial mills. The most common system is the belt conveyor. Some systems use a combination of these designs such as shallow buckets (or flat plates) attached to a belt conveyor. Conveyors can be used for long distance transportation (for example, kilometres) of materials. Long distance conveyor systems are usually constructed in segments to accommodate changes in direction where needed.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> <i>False</i> <i>No Information</i> <i>True</i>
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> <i>-999999.0</i>
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> <i>-999999.0</i>
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> <i>noInformation</i>
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> <i>[-999999, -999999]</i>
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public <i>No Information</i>
New Conveyor Type	3	No Information	Enumeration	Unitless	0	The type(s), or category(ies), of mechanical device that best characterizes the means by which articles or materials are being moved. [Description] The category of conveyor can depend upon the type(s) of materials being moved, the overall distance covered by the conveyor system, and/or whether materials are being moved from one elevation to another, etc. If the system is covered and hidden from view, the category of conveyor may be indiscernible. <i>allowed values:</i> <i>Apron</i> <i>No Information</i> <i>Screw Auger</i> <i>Belt</i> <i>Not visible</i> <i>Bucket</i> <i>Other</i> <i>Flight</i> <i>Rollers</i>
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> <i>noInformation</i>
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i> Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF020	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> <i>AF020</i>
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set. <i>allowed values:</i> <i>noInformation</i>

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).

allowed values: Concrete No Information			Iron Other			Masonry Steel	Metal Wood
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.	
allowed values: noInformation							
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999.0

Relationships: Conveyor (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Conveyor (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Conveyor (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Conveyor (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Conveyor (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Conveyor (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Conveyor (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Conveyor (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Conveyor (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Conveyor (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Conveyor (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Conveyor (Line) - is a member of group - Exactly one - IndustryCrv (FeatureGroup)

Feature Conveyor (Point)

New ☐ Conveyor

A device for conveying articles or materials from one location to another during manufacture or processing using a continuously moving mechanism. [Description] Usually long, thin, and rectangular, and located above ground surface. It can be situated horizontally, vertically, at a slope between flat and upright, or in a combination of these postures. In general, conveyor systems consist of the bucket, screw (auger), apron, or flight conveyors to load silos or bunkers. Other systems use a series of rollers to move a range of products from relatively lightweight luggage and cargo packages at transportation terminals, up to heavyweight plate steel and ingots in industrial mills. The most common system is the belt conveyor. Some systems use a combination of these designs such as shallow buckets (or flat plates) attached to a belt conveyor. Conveyors can be used for long distance transportation (ifor example, kilometres) of materials. Long distance conveyor systems are usually constructed in segments to accommodate changes in direction where needed.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

							allowed values:	Civilian Other	Joint Military and Civilian Private	Military Public	No Information
New	Conveyor Type	3	No Information	Enumeration	Unitless	0					
							allowed values:	Apron No Information Screw Auger	Belt Not visible	Bucket Other	Flight Rollers
New	External Links	1	noInformation	StructuredText	Unitless	2E+09					
							allowed values:	noInformation			
	Facility Operational Status	1	No Information	Enumeration	Unitless	0					
							allowed values:	No Information Partially Operational	Non-operational Planned	Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AF020	CONSTRAINED_ STRING	Unitless	5					
							allowed values:	AF020			
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254					
							allowed values:	noInformation			
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200					
							allowed values:	No Information			
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24					
							allowed values:	No Information	Other		
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless						
							allowed values:	Conventional Native Transliterated Unverified Original	Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0					
							allowed values:	-999999.0			
	Highest Elevation	1	-999999.0	REAL	metre	0					
							allowed values:	-999999.0			

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Concrete No Information			Iron Other			Masonry Steel Metal Wood
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Conveyor (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Conveyor (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Conveyor (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Conveyor (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Conveyor (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Conveyor (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Conveyor (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Conveyor (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Conveyor (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Conveyor (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature **CoolingFacility (Area)** New ☐ Cooling Facility

A facility for the removal of thermal energy (for example: by generating and circulating chilled water) for cooling purposes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private		Military Public No Information	
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational Operational	
New Feature Code	1	AD055	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD055						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Commerce Other			Government Residence		Manufacturing No Information	
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated	

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
Unmaintained						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/c/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/c/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: CoolingFacility (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
CoolingFacility (Area) - has dataset metadata in - Zero or one - Dataset (Area)
CoolingFacility (Area) - has dataset metadata in - Zero or one - Dataset (Table)
CoolingFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
CoolingFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
CoolingFacility (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
CoolingFacility (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
CoolingFacility (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
CoolingFacility (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
CoolingFacility (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
CoolingFacility (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
CoolingFacility (Area) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup)

Feature CoolingFacility (Point)

New ☐ Cooling Facility

A facility for the removal of thermal energy (for example: by generating and circulating chilled water) for cooling purposes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AD055	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD055						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Commerce Other			Government Residence			Manufacturing No Information
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOSINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: *No Information**Other*

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMDissem
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: CoolingFacility (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CoolingFacility (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 CoolingFacility (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 CoolingFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CoolingFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CoolingFacility (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CoolingFacility (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CoolingFacility (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 CoolingFacility (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 CoolingFacility (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 CoolingFacility (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 CoolingFacility (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature CoolingTower (Area)New ☐ Cooling Tower

A tall tower for cooling hot water from an industrial process before reuse.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> <i>[-999999, -999999]</i>						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AF030</i>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> <i>noInformation</i>						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).

<i>allowed values:</i>	Aluminum Masonry Steel		Brick Metal Stone			Concrete No Information		Iron Other
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.		
<i>allowed values:</i>	noInformation							
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.		

allowed values: -999999.0

Relationships: CoolingTower (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
CoolingTower (Area) - has dataset metadata in - Zero or one - Dataset (Area)
CoolingTower (Area) - has dataset metadata in - Zero or one - Dataset (Table)
CoolingTower (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
CoolingTower (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
CoolingTower (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
CoolingTower (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
CoolingTower (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
CoolingTower (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
CoolingTower (Area) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup)

Feature CoolingTower (Point)

New ☐ Cooling Tower

A tall tower for cooling hot water from an industrial process before reuse.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information		True	
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private		Military Public No Information	
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	AF030	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AF030							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
Geographic Name Information : Full Name		1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
Geographic Name Information : Geographic Name Type		1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level		1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
Highest Elevation		1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
Length		1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Masonry Steel Brick Metal Stone Concrete No Information Iron Other						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: CoolingTower (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
CoolingTower (Point) - has dataset metadata in - Zero or one - Dataset (Area)
CoolingTower (Point) - has dataset metadata in - Zero or one - Dataset (Table)
CoolingTower (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
CoolingTower (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
CoolingTower (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
CoolingTower (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
CoolingTower (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
CoolingTower (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
CoolingTower (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
CoolingTower (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
CoolingTower (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature Courtyard (Area)

New ☐ Courtyard

An open area that is open to the sky and surrounded by walls or buildings forming the precincts of a larger facility (for example: an extended house, a castle, or a homestead), often in the form of an area that is enclosed by a single building. [Description] Historically, these areas in inns and public buildings were often the primary meeting places for some purposes, leading to the other meanings of the term 'court'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	AL175	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL175						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	Dismantled

Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i>	Buddhism Islam No Information Roman Catholic		Chaldean Judaism Orthodox Shia			Christian <i>Mixed and/or No Designation</i> Other Shinto Hinduism Nestorian Protestant Sunni
Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.
<i>allowed values:</i>	Cathedral Hermitage Monastery Other Seminary Tabernacle		Chapel Marabout Mosque Pagoda Shrine Temple			Church Minaret No Information Religious Community Stupa Convent Mission Noviciate Retreat Synagogue
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Courtyard (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Courtyard (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Courtyard (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Courtyard (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Courtyard (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Courtyard (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Courtyard (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Courtyard (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Courtyard (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature Crane (Area)

New ☐ Crane

Equipment for lifting, shifting, and lowering objects or materials by means of a swinging boom or with the lifting apparatus supported on an overhead track.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
	Crane Mobility Type	1	No Information	Enumeration	Unitless	0	The type of mobility of a crane.
	<i>allowed values:</i> Fixed Other			Floating Travelling			Mobile No Information
	Crane Type	1	No Information	Enumeration	Unitless	0	The type of a crane based on its design and/or method of operation.
	<i>allowed values:</i> Bridge Crane Rotating Crane			Container Crane Tower Crane			No Information Other
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AF040	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AF040						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Lifting Capacity	1	-999999.0	REAL	tonne	0	The maximum weight that can be safely raised by a lifting device (for example: a crane).
<i>allowed values:</i> -999999.0						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i> At Shoreline Inland No Information Offshore						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Maritime Railway		No Information Road		No Transportation System		Other
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Other		Iron Steel		Metal		No Information
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Crane (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Crane (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Crane (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Crane (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Crane (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Crane (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Crane (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Crane (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Crane (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature Crane (Point)New ☐ Crane

Equipment for lifting, shifting, and lowering objects or materials by means of a swinging boom or with the lifting apparatus supported on an overhead track.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Crane Mobility Type	1	No Information	Enumeration	Unitless	0	The type of mobility of a crane.
<i>allowed values:</i> Fixed Other			Floating Travelling			Mobile No Information
Crane Type	1	No Information	Enumeration	Unitless	0	The type of a crane based on its design and/or method of operation.
<i>allowed values:</i> Bridge Crane Rotating Crane			Container Crane Tower Crane			No Information Other
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AF040						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Other							
Historical Original							
No Information							
Unverified Transliterated							
Historical Transliterated							
Native Original							
Provisional							
Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Lifting Capacity	1	-999999.0	REAL	tonne	0	The maximum weight that can be safely raised by a lifting device (for example: a crane).
<u>allowed values:</u> -999999.0							
	Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<u>allowed values:</u> At Shoreline							
Inland							
No Information							
Offshore							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Maritime Railway			No Information Road			No Transportation System Other

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Other Iron Steel Metal No Information						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Crane (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Crane (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Crane (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Crane (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Crane (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Crane (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Crane (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Crane (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Crane (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Crane (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Crane (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Crane (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature Crater (Area)New ☐ Crater

A bowl-shaped depression in the terrain, usually round and with steep sides. [Description] Craters commonly are created by the removal of material by explosions, either natural (for example: the eruption of a volcano) or artificial (for example: a bomb), originating at or below the Earth's surface, or by the impact of an object with the Earth (for example: a meteorite).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	DB185	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> DB185						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information		True	

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Crater (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Crater (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Crater (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Crater (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Crater (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Crater (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Crater (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Crater (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)
 Crater (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Crater (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Crater (Point)

New ☐ Crater

A bowl-shaped depression in the terrain, usually round and with steep sides. [Description] Craters commonly are created by the removal of material by explosions, either natural (for example: the eruption of a volcano) or artificial (for example: a bomb), originating at or below the Earth's surface, or by the impact of an object with the Earth (for example: a meteorite).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	DB185	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB185						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem

allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: Crater (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Crater (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Crater (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Crater (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Crater (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Crater (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Crater (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Crater (Point) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup)
 Crater (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 Crater (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Crater (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Crevasse (Area)

New ☐ Crevasse**A deep crack or fissure in a glacier that results from differential movement of ice.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BJ031	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BJ031						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Predominant Feature Depth	1	-999999.0	REAL	metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
New Snow or Ice Depth	1	[-999999.0, -999999.0]	REAL_Interval	Metre	0	The depth of the snow or ice. [Description] The snow or ice layer ranges from the top of the snow or ice surface to the underlying terrain.
<i>allowed values:</i> [-999999.0, -999999.0]						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Crevasse (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Crevasse (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Crevasse (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Crevasse (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Crevasse (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Crevasse (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Crevasse (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Crevasse (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Crevasse (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Crevasse (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Crevasse (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Crevasse (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature Crevasse (Line)New ☐ Crevasse**A deep crack or fissure in a glacier that results from differential movement of ice.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
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allowed values: -999999.0

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: noInformation

New	Feature Code	1	BJ031	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BJ031						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information Other						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Predominant Feature Depth	1	-999999.0	REAL	metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
	<u>allowed values:</u> -999999.0						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information Other						
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem

<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> <i>noInformation</i>						
New Snow or Ice Depth	1	[-999999.0, -999999.0]	REAL_Interval	Metre	0	The depth of the snow or ice. [Description] The snow or ice layer ranges from the top of the snow or ice surface to the underlying terrain.
<i>allowed values:</i> [-999999.0, -999999.0]						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> <i>noInformation</i>						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> <i>noInformation</i>						
<i>allowed values:</i> <i>pimGUID</i>						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Crevasse (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Crevasse (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Crevasse (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Crevasse (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Crevasse (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Crevasse (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Crevasse (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Crevasse (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Crevasse (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Crevasse (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Crevasse (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Crevasse (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)

Feature Crevice (Area)New ☐ Crevice

A narrow opening or fissure produced by a crack in the land, especially in rock. [Description] May also describe a deep vertical opening in the terrain that appears after an earthquake.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	DB061	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB061						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Predominant Feature Depth	1	-999999.0	REAL	metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem

allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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allowed values: *No Information**Other**Rock**Soil*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: Crevice (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Crevice (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Crevice (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Crevice (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Crevice (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Crevice (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Crevice (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Crevice (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Crevice (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Crevice (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Crevice (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Crevice (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature Crevice (Line)New ☐ Crevice

A narrow opening or fissure produced by a crack in the land, especially in rock. [Description] May also describe a deep vertical opening in the terrain that appears after an earthquake.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	DB061	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB061						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Predominant Feature Depth	1	-999999.0	REAL	metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem

allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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allowed values: *No Information**Other**Rock**Soil*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: Crevice (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Crevice (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Crevice (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Crevice (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Crevice (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Crevice (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Crevice (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Crevice (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Crevice (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Crevice (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Crevice (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Crevice (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)

Feature Crib (Area)New ☐ Crib

A permanent structure set in the water, typically framed with wooden beams and filled with rocks or boulders that is used to anchor log booms or support other constructions (for example: submerged outfalls, diffusers, or piers). [Description] They may always be dry, submerged, or covered and uncovered. Cribbs should not be confused with water intake towers which may sometimes also be termed a 'crib'.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
	Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
	<i>allowed values:</i> Area Swept by Wire-drag			Depth Known by Other Than Wire Drag			No Information Other
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BD020	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BD020						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry Other			Always Submerged			Covers and Uncovers No Information

Relationships: Crib (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Crib (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Crib (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Crib (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Crib (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Crib (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Crib (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Crib (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 Crib (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Crib (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Crib (Point)

New ☐ Crib

A permanent structure set in the water, typically framed with wooden beams and filled with rocks or boulders that is used to anchor log booms or support other constructions (for example: submerged outfalls, diffusers, or piers). [Description] They may always be dry, submerged, or covered and uncovered. Cribbs should not be confused with water intake towers which may sometimes also be termed a 'crib'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
	Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
	<i>allowed values:</i> Area Swept by Wire-drag			Depth Known by Other Than Wire Drag			No Information Other
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BD020	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BD020						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: *noInformation**allowed values:* *pimGUID*

Hydrographic Vertical Positioning Information : Water Level Effect 1 No Information Enumeration Unitless 0 The relationship between the feature and surrounding (including covering and/or underlying) water.

allowed values: Always Dry
Other

Always Submerged

Covers and Uncovers

No Information

Relationships: Crib (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Crib (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Crib (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Crib (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Crib (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Crib (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Crib (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Crib (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)
 Crib (Point) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 Crib (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 Crib (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Crib (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature CropLand (Area)New ☐ Crop Land**An area that has been tilled for the planting of crops.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> <i>[-999999, -999999]</i>						
Crop Information : Crop Species	3	No Information	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i> Barley Cork-Oak Maize Oil Crop Peanut Sisal Tuber			Cannabis Cotton Millet Opium Poppy Potato Sorghum Vegetable Crop			Carob Dry Crop No Information Ornamental Crop Pulse Sugar Crop Wheat Coffee Fibre Crop Oat Other Rye Tobacco
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> <i>noInformation</i>						
Crop Information : Farming Method	3	No Information	Enumeration	Unitless	0	The agricultural practice(s) in use within an agro-ecosystem.
<i>allowed values:</i> Fallow Permanent			Grazing Slash and Burn			No Information Other
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced

New	Feature Code	1	EA010	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> EA010						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original						Historical Original No Information Unverified Transliterated
							Historical Transliterated Other Variant Original
							Native Original Provisional Variant Transliterated
	Crop Information : Irrigation Method	1	No Information	Enumeration	Unitless	0	The method used to supply crops with water.
	<i>allowed values:</i> Center Pivot Linear Move Subirrigation						Drip No Information Terrace
							Furrow Other
							Lateral Move Overhead
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False						No Information True
New	Crop Information : Permanent Irrigation	1	No Information	Boolean	Unitless	0	An indication that a field is continuously used for cultivation and permanent irrigation is required due to the natural aridity of the area.
	<i>allowed values:</i> False						No Information True

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: CropLand (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CropLand (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 CropLand (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 CropLand (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CropLand (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CropLand (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CropLand (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CropLand (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 CropLand (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 CropLand (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 CropLand (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 CropLand (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature Crossing (Point) New ☐ Crossing

A location where land transportation routes intersect or cross at the same vertical level. [Description] For example, a railway crossing, a road intersection, and a ford.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AQ062	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ062						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Intersection Control Type	3	No Information	Enumeration	Unitless	0	The type of route intersection traffic control based on the method(s) of warning and/or control.
<i>allowed values:</i> Ground Marking Priority Sign			No Control Signal Device			No Information Stop Sign Other Yield Sign
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Canal Road No Information Other Railway						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Crossing (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Crossing (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Crossing (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Crossing (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Crossing (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Crossing (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Crossing (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Crossing (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Crossing (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Crossing (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Crossing (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Crossing (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature CulturalContextLocation (Area)New ☐ Cultural Context Location

A location that normally does not appear as a specific, characterized object but that represents an area where a specific cultural factor (for example: religion, ethnicity, language, or tribal/clan affiliation) predominates.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Cultural Context Type	1	No Information	Enumeration	Unitless	0	The type of a cultural factor shared by a group of people and establishing a common context for their behaviour.
	<i>allowed values:</i> Clan No Information			Ethnic Group Other			Language Religion National Identity Tribe
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	ZD030	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> ZD030						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
allowed values: Buddhism Islam Orthodox Shia			Chaldean Judaism Other Shinto			Christian Nestorian Protestant Sunni Hinduism No Information Roman Catholic
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
allowed values: U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values: No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
allowed values: noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: CulturalContextLocation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
CulturalContextLocation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
CulturalContextLocation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
CulturalContextLocation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
CulturalContextLocation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
CulturalContextLocation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
CulturalContextLocation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
CulturalContextLocation (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)
CulturalContextLocation (Area) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
CulturalContextLocation (Area) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
CulturalContextLocation (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
CulturalContextLocation (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature CulturalContextLocation (Point)

New ☐ Cultural Context Location

A location that normally does not appear as a specific, characterized object but that represents an area where a specific cultural factor (for example: religion, ethnicity, language, or tribal/clan affiliation) predominates.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Cultural Context Type	1	No Information	Enumeration	Unitless	0	The type of a cultural factor shared by a group of people and establishing a common context for their behaviour.
<i>allowed values:</i> Clan No Information			Ethnic Group Other			Language Religion National Identity Tribe
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	ZD030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZD030						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
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allowed values:

Buddhism	Chaldean	Christian	Hinduism
Islam	Judaism	Nestorian	No Information
Orthodox	Other	Protestant	Roman Catholic
Shia	Shinto	Sunni	

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: CulturalContextLocation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CulturalContextLocation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 CulturalContextLocation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 CulturalContextLocation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CulturalContextLocation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CulturalContextLocation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CulturalContextLocation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CulturalContextLocation (Point) - is a member of group - Exactly one - CulturePnt (FeatureGroup)
 CulturalContextLocation (Point) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 CulturalContextLocation (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 CulturalContextLocation (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 CulturalContextLocation (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Culvert (Line)

New ☐ Culvert

An enclosed channel for carrying a watercourse (for example: a stream, a sewer, or a drain) under a route (for example: a road, a railway, or an embankment). [Description]
Usually the construction of the route is unaffected.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
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allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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New	<i>allowed values:</i> <i>noInformation</i>						
	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> <i>[-999999, -999999]</i>						
	Cross-sectional Profile	1	No Information	Enumeration	Unitless	0	The cross-sectional profile of an opening (for example: a tunnel or the space under a bridge span).
	<i>allowed values:</i> Arch Semicircular			Box			No Information Other
	<i>allowed values:</i> Box with Load Regular with Soil			Box with Soil			No Information Other
	Culvert Type	1	No Information	Enumeration	Unitless	0	The type of a culvert based on its shape and fill.
New	<i>allowed values:</i> <i>noInformation</i>						
	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> <i>noInformation</i>						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	<i>allowed values:</i> <i>AQ065</i>						
	Feature Code	1	AQ065	CONSTRAINED_STRING	Unitless	5	Feature Code
New	<i>allowed values:</i> <i>noInformation</i>						
	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
New	<i>allowed values:</i> <i>noInformation</i>						
	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	<i>allowed values:</i> <i>-999999.0</i>						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> <i>No Information</i>						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> <i>No Information</i>						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Concrete Other			Masonry			Metal No Information
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						

allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: Culvert (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Culvert (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Culvert (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Culvert (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Culvert (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Culvert (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Culvert (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Culvert (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Culvert (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Culvert (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature Culvert (Point)New ☐ Culvert

An enclosed channel for carrying a watercourse (for example: a stream, a sewer, or a drain) under a route (for example: a road, a railway, or an embankment). [Description]
Usually the construction of the route is unaffected.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> <i>[-999999, -999999]</i>						
Cross-sectional Profile	1	No Information	Enumeration	Unitless	0	The cross-sectional profile of an opening (for example: a tunnel or the space under a bridge span).
<u>allowed values:</u> Arch Semicircular			Box			No Information Other
Culvert Type	1	No Information	Enumeration	Unitless	0	The type of a culvert based on its shape and fill.
<u>allowed values:</u> Box with Load Regular with Soil			Box with Soil			No Information Other
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ065	CONSTRAINED_STRING	Unitless	5	Feature Code

<i>allowed values:</i> AQ065						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information Other						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Concrete Other			Masonry			Metal No Information
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Culvert (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Culvert (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Culvert (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Culvert (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Culvert (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Culvert (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Culvert (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Culvert (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Culvert (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Culvert (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature Cut (Line)

New ☐ Cut

An excavation in the terrain to provide passage for a land or water transportation route (for example: a road, a railway, and/or a canal).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	DB070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB070						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Grading Type	1	No Information	Enumeration	Unitless	0	The number of terrain feature sides on which either fill or cut material is exposed. [Description] For example, along two sides of a road that is both cut into the side of a hill and supported by fill on the downslope.
<i>allowed values:</i> Many Sides Other			No Information Two Sides			No Sides One Side

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Predominant Feature Depth	1	-999999.0	REAL	metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
<i>allowed values:</i> -999999.0						
Predominant Feature Height	1	-999999.0	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aqueduct Pedestrian						
			Canal Railway			
					No Information Road	Other
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Cut (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Cut (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Cut (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Cut (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Cut (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Cut (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Cut (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Cut (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Cut (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Cut (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Cut (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Cut (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)

Feature CutLine (Line)

New ☐ Cut Line

The demarcation line between a cut and the surrounding land surface.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	DB071	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB071						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

allowed values: No Information

Predominant Feature Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
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allowed values: -999999.0

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
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allowed values: [-999999.0, -999999.0]

Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
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allowed values: Aqueduct Pedestrian			Canal Railway			No Information Road	Other
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).	

allowed values: noInformation**allowed values:** pimGUID

Relationships: CutLine (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 CutLine (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 CutLine (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 CutLine (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 CutLine (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 CutLine (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 CutLine (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 CutLine (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 CutLine (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 CutLine (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 CutLine (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 CutLine (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)

Feature Dam (Area)New ☐ Dam**A barrier constructed to hold back water and raise its level to form a reservoir or to prevent flooding.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian Other			Joint Military and Civilian Private			Military Public No Information
New Dam Crest Length	1	-999999.0	Real	Metres	0	The centreline distance measured along the crest of a dam, and in the horizontal plane.
allowed values: -999999.0						
Dam Crest Width	1	-999999.0	Real	Metre	0	The average distance across the crest of a dam. [Description] The width is measured perpendicular to the crest centerline.
allowed values: -999999.0						

	Dam Face Type	1	No Information	Enumeration	Unitless	0	The type of slope of the upstream face of a dam.
	<i>allowed values:</i> No Information			Slope			Vertical
New	Dam Structural Design Type	1	No Information	Enumeration	Unitless	0	The type of structural design of a dam.
	<i>allowed values:</i> Arch Gravity Rockfill			Asphalt-concrete core Multi-Arch			Buttress No Information Earthen Other
	Dam Type	1	No Information	Enumeration	Unitless	0	The type of a dam based on function and/or structure. [Description] May be used as a means of subtyping Feature: 'Dam'.
	<i>allowed values:</i> Flood Control Other			Hydroelectric Power Generation Weir			Navigation No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BI020	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BI020						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Spillway Height	1	-999999.0	Real	Metre	0	The vertical distance above ground or water level on the upstream side of the dam.
<i>allowed values:</i> -999999.0						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Brick No Information Steel			Concrete Other Stone			Masonry Rubble Treated Timber Metal Soil Wood
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> No Information Railway			No Transportation System Road			Other Pedestrian
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
New Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
<i>allowed values:</i> From All Sides From Right No Information			From East From South			From Left From West From North No Accessibility

Relationships: Dam (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Dam (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Dam (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Dam (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Dam (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Dam (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Dam (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Dam (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Dam (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Dam (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Dam (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Dam (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature Dam (Line)

New ☐ Dam**A barrier constructed to hold back water and raise its level to form a reservoir or to prevent flooding.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> <i>False</i> <i>No Information</i> <i>True</i>
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> <i>-999999.0</i>
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> <i>-999999.0</i>
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> <i>noInformation</i>
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> <i>[-999999, -999999]</i>
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public <i>No Information</i>
New Dam Crest Length	1	-999999.0	Real	Metres	0	The centreline distance measured along the crest of a dam, and in the horizontal plane. <i>allowed values:</i> <i>-999999.0</i>
Dam Crest Width	1	-999999.0	Real	Metre	0	The average distance across the crest of a dam. [Description] The width is measured perpendicular to the crest centerline. <i>allowed values:</i> <i>-999999.0</i>
Dam Face Type	1	No Information	Enumeration	Unitless	0	The type of slope of the upstream face of a dam. <i>allowed values:</i> <i>No Information</i> Slope Vertical
New Dam Structural Design Type	1	No Information	Enumeration	Unitless	0	The type of structural design of a dam. <i>allowed values:</i> Arch Gravity Rockfill Asphalt-concrete core Multi-Arch Buttress No Information Earthen Other
Dam Type	1	No Information	Enumeration	Unitless	0	The type of a dam based on function and/or structure. [Description] May be used as a means of subtyping Feature: 'Dam'. <i>allowed values:</i> Flood Control Other Hydroelectric Power Generation Weir Navigation <i>No Information</i>
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> <i>noInformation</i>
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> <i>No Information</i> Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI020	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> <i>BI020</i>
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

<u>allowed values:</u> <i>noInformation</i>						
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information						
Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> <div> Conventional Native Transliterated Unverified Original </div> <div> Historical Original No Information Unverified Transliterated </div> <div> Historical Transliterated Other Variant Original </div> <div> Native Original Provisional Variant Transliterated </div>						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> <i>-999999.0</i>						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> <i>-999999.0</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> <i>False</i>						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<u>allowed values:</u> <div> Construction Intact </div> <div> Damaged No Information </div> <div> Destroyed Unmaintained </div> <div> Dismantled </div>						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<u>allowed values:</u> <i>U</i>						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Spillway Height	1	-999999.0	Real	Metre	0	The vertical distance above ground or water level on the upstream side of the dam.
<i>allowed values:</i> -999999.0						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Brick No Information Steel			Concrete Other Stone			Masonry Rubble Treated Timber Metal Soil Wood
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> No Information Railway			No Transportation System Road			Other Pedestrian
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
New Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
<i>allowed values:</i> From All Sides From Right No Information From East From South From Left From West From North No Accessibility						

Relationships: Dam (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Dam (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Dam (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Dam (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Dam (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Dam (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Dam (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Dam (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Dam (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Dam (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Dam (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Dam (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)

Feature Dam (Point)

New ☐ Dam

A barrier constructed to hold back water and raise its level to form a reservoir or to prevent flooding.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False No Information True						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Joint Military and Civilian Military No Information Other Private Public						
New Dam Crest Length	1	-999999.0	Real	Metres	0	The centreline distance measured along the crest of a dam, and in the horizontal plane.
<i>allowed values:</i> -999999.0						
Dam Crest Width	1	-999999.0	Real	Metre	0	The average distance across the crest of a dam. [Description] The width is measured perpendicular to the crest centerline.
<i>allowed values:</i> -999999.0						
Dam Face Type	1	No Information	Enumeration	Unitless	0	The type of slope of the upstream face of a dam.
<i>allowed values:</i> No Information Slope Vertical						

New	Dam Structural Design Type	1	No Information	Enumeration	Unitless	0	The type of structural design of a dam.
<i>allowed values:</i> Arch Asphalt-concrete core Buttress Earthen Gravity Multi-Arch No Information Other Rockfill							
	Dam Type	1	No Information	Enumeration	Unitless	0	The type of a dam based on function and/or structure. [Description] May be used as a means of subtyping Feature: 'Dam'.
<i>allowed values:</i> Flood Control Hydroelectric Power Generation Navigation No Information Other Weir							
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Non-operational Not in Operation Operational Partially Operational Planned Temporarily Non-operational							
New	Feature Code	1	BI020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI020							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information Other							
	Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Historical Original Historical Transliterated Native Original Native Transliterated No Information Other Provisional Unverified Original Unverified Transliterated Variant Original Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

allowed values: No Information

Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEONT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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<i>allowed values:</i> <i>noInformation</i>						
Spillway Height	1	-999999.0	Real	Metre	0	The vertical distance above ground or water level on the upstream side of the dam.
<i>allowed values:</i> <i>-999999.0</i>						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Brick No Information Steel			Concrete Other Stone			Masonry Rubble Treated Timber Metal Soil Wood
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> No Information Railway			No Transportation System Road			Other Pedestrian
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> <i>noInformation</i>						
<i>allowed values:</i> <i>pimGUID</i>						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> <i>noInformation</i>						
New Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
<i>allowed values:</i> From All Sides From Right No Information			From East From South			From Left From West From North No Accessibility

Relationships: Dam (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Dam (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Dam (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Dam (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Dam (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Dam (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Dam (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Dam (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Dam (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Dam (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Dam (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Dam (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature Dataset (Area)

New ☐ Dataset

A resource that is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process). [Description] For example, a set of modeling entities whose instances together constitute a 'water resources map'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Absolute Horizontal Accuracy (90%)	1	-999999.0	REAL	metre	0	Either the difference between the recorded horizontal coordinate value(s) of a feature and its true position referenced to the same geodetic datum expressed as a linear error at 90 percent probability for a single coordinate value, or a circular error at 90 percent probability for a pair of coordinate values, or the reason that the value is absent. [Description] The domain of values is a real number. For example, 10.0 (as in the accuracy in metres).

allowed values: *-999999.0*

Absolute Vertical Accuracy (90%)	1	-999999.0	REAL	metre	0	The difference between the recorded elevation of a feature and its true elevation referenced to the same vertical datum expressed as a linear error at 90 percent probability.
<i>allowed values:</i> -999999.0						
Cell Identifier	1	No Information	String	Unitless	20	The identifier that denotes a defined extent (for example: a rectangular cell) within a system (for example: an array of rectangular cells) of planar space partitioning. [Description] The partitioning results in a set of unique, continuous, non-overlapping, regions; for example: a grid, a hexagonal tiling, a Voronoi tessellation, a Delaunay triangulation, a Triangulated Irregular Network (TIN). The specific mechanism used to create the tessellation and assign identifiers to its cells is externally defined.
<i>allowed values:</i> No Information						
Cell Partition Scheme	1	No Information	CodeList	Unitless	30	The tessellation scheme used to create a planar space partitioning and assign identifiers to its cells. [Description] The partitioning results in a set of unique, continuous, non-overlapping, regions; for example: a grid, a hexagonal tiling, a Voronoi tessellation, a Delaunay triangulation, a Triangulated Irregular Network (TIN). [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/CellPartitionSchemeCode
<i>allowed values:</i> No Information			Other			
Data Quality Statement	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records a general assessment of the quality of a resource (for example: a data instance, a data set or a data processing activity). [Description] The quality of a data resource is dependent on the data providers knowledge regarding the lineage of the data and the processes that have been used to transform that data. No restriction is placed on the length of the statement.
<i>allowed values:</i> No Information						
Elevation Vertical Accuracy (90%)	1	-999999.0	REAL	metre	0	Either the difference between a recorded elevation value and the true elevation referenced to the same vertical datum, expressed as a linear error at 90 percent probability, or the reason that the value is absent. [Description] The domain of values is a real number. For example, 10.0 (as in the accuracy in metres).
<i>allowed values:</i> -999999.0						
Equivalent Scale Category	1	No Information	CodeList	Unitless	30	The map scale that best represents the density of feature collection within the geospatial extent of a specified region, as a category. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/EquivalentScaleCategoryCode
<i>allowed values:</i> No Information			Other			
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Extraction Specification	1	No Information	CodeList	Unitless	30	The specification that was used as the basis for defining the digital representation of the feature or data set. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ExtractionSpecificationCode
<i>allowed values:</i> No Information			Other			
Extraction Specification Version	1	No Information	String	Unitless	24	The version of the specification that was used as the basis for defining the digital representation of the feature or data set.
<i>allowed values:</i> No Information						
New Feature Code	1	ZI031	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZI031						
New (Location Country) Designation : GENC Short URN-based Identifier	4	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geodetic Datum	1	No Information	CodeList	Unitless	30	A datum describing the relationship of a two-dimensional coordinate system to the Earth. [Description] The datum (sometimes termed 'horizontal datum') defines a surface and two locally-orthogonal axes on that surface as the basis for specifying geodetic longitude and geodetic latitude. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/GeodeticDatumCode
<i>allowed values:</i> No Information			Other			

Height Vertical Accuracy (90%)	1	-999999.0	REAL	metre	0	Either the difference between a recorded height value and the true height referenced to the same ground level, expressed as a linear error at 90 percent probability, or the reason that the value is absent. [Description] The domain of values is a real number. For example, 10.0 (as in the accuracy in metres).
<i>allowed values:</i> -999999.0						
Maintenance Date and Time	1	noInformation	StructuredText	Unitless	20	The date and, optionally, time that maintenance, based on a given Extraction Specification, was completed for the features falling within the geospatial extent of a specified region. [Description] Midnight is understood to be 00:00:00 (the beginning of a day); when the time is not specified then midnight in the local time zone is typically implied. [DatatypeSpecification] A structured text value specifying a date-time. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.4.1, Combinations of date and time of day - Complete representation - Extended format, a calendar date and time representation, as a single data element comprising up to twenty characters, where [YYYY] represents a calendar year, [MM] the ordinal number of a calendar month within the calendar year, [DD] the ordinal number of a day within the calendar month, [hh] the ordinal number of an hour within the calendar day, [mm] the ordinal number of a minute within the hour, [ss] the ordinal number of a second within the minute, and an optional 'Z' when the time is according to Coordinated Universal Time (UTC), as 'YYYY-MM-DDThh:mm:ssZ' (for example: '1985-04-12T11:45:20Z' for 11 hours, 45 minutes and 20 seconds UTC on 12 April 1985). Representations with reduced precision may be used in accordance with 5.4.2 (for example: '1985-04-12' for 12 April 1985). Representations consistently using basic format (eliminating the hyphen '-' and the colon ':') may be used in accordance with 5.4.1 (for example: '19850412T114520Z').
<i>allowed values:</i> noInformation						
Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
New Schema Version	1	noInformation	StructuredText	Unitless	254	Identifies the version of the schema used at the time of data collection.
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Restriction Information : Unique Entity Identifier	1	pimGUID	StructuredText	Unitless	254	An identifier of the restriction(s) and/or security control(s) applicable to dissemination of data regarding the digital representation of the entity. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> pimGUID						
Unique Resource Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a resource that is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process). [Description] The identifier may be specified by a Uniform Resource Identifier (URI) in accordance with the Internet Engineering Task Force (IETF) RFC2396. [DatatypeSpecification] A structured text value specifying a unique resource (for example: dataset or service) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 (URI Generic Syntax); the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
Vertical Datum	1	No Information	CodeList	Unitless	30	A reference surface with respect to which elevations and/or depths are specified. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/VerticalDatumCode
<i>allowed values:</i> No Information			Other			

Relationships: Dataset (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Dataset (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Dataset (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Dataset (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Dataset (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Dataset (Area) - is a member of group - Exactly one - ResourceSrf (FeatureGroup)
 Dataset (Area) - provides metadata for - Zero or more - PipelineCrossingPoint (Point)
 Dataset (Area) - provides metadata for - Zero or more - StormDrain (Point)
 Dataset (Area) - provides metadata for - Zero or more - StreetLamp (Point)
 Dataset (Area) - provides metadata for - Zero or more - StreetSign (Point)
 Dataset (Area) - provides metadata for - Zero or more - ContaminatedRegion (Area)
 Dataset (Area) - provides metadata for - Zero or more - ContaminatedRegion (Point)
 Dataset (Area) - provides metadata for - Zero or more - AdministrativeDivision (Area)
 Dataset (Area) - provides metadata for - Zero or more - AerationBasin (Area)
 Dataset (Area) - provides metadata for - Zero or more - AerialFarm (Area)
 Dataset (Area) - provides metadata for - Zero or more - AerialFarm (Point)
 Dataset (Area) - provides metadata for - Zero or more - AquaticVegetation (Area)
 Dataset (Area) - provides metadata for - Zero or more - AquaticVegetation (Point)
 Dataset (Area) - provides metadata for - Zero or more - AstronomicalObservatory (Area)
 Dataset (Area) - provides metadata for - Zero or more - AstronomicalObservatory (Point)
 Dataset (Area) - provides metadata for - Zero or more - Billboard (Point)
 Dataset (Area) - provides metadata for - Zero or more - Borehole (Point)
 Dataset (Area) - provides metadata for - Zero or more - Brush (Area)
 Dataset (Area) - provides metadata for - Zero or more - MaritimeCautionArea (Area)
 Dataset (Area) - provides metadata for - Zero or more - ConservationArea (Area)
 Dataset (Area) - provides metadata for - Zero or more - CoolingFacility (Area)
 Dataset (Area) - provides metadata for - Zero or more - CoolingFacility (Point)
 Dataset (Area) - provides metadata for - Zero or more - ManorHouse (Area)
 Dataset (Area) - provides metadata for - Zero or more - ManorHouse (Point)
 Dataset (Area) - provides metadata for - Zero or more - CulturalContextLocation (Area)
 Dataset (Area) - provides metadata for - Zero or more - CulturalContextLocation (Point)
 Dataset (Area) - provides metadata for - Zero or more - Desert (Area)
 Dataset (Area) - provides metadata for - Zero or more - DredgedArea (Area)
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Dataset (Area) - provides metadata for - Zero or more - Runway (Area)
Dataset (Area) - provides metadata for - Zero or more - Stopway (Area)
Dataset (Area) - provides metadata for - Zero or more - SaltEvaporator (Area)
Dataset (Area) - provides metadata for - Zero or more - SaltEvaporator (Point)
Dataset (Area) - provides metadata for - Zero or more - SaltFlat (Area)
Dataset (Area) - provides metadata for - Zero or more - SandDunes (Area)
Dataset (Area) - provides metadata for - Zero or more - Lookout (Area)
Dataset (Area) - provides metadata for - Zero or more - Lookout (Point)
Dataset (Area) - provides metadata for - Zero or more - RecyclingSite (Area)
Dataset (Area) - provides metadata for - Zero or more - SeaplaneRun (Area)
Dataset (Area) - provides metadata for - Zero or more - Sabkha (Area)
Dataset (Area) - provides metadata for - Zero or more - Settlement (Area)
Dataset (Area) - provides metadata for - Zero or more - Settlement (Point)
Dataset (Area) - provides metadata for - Zero or more - SettlingPond (Area)
Dataset (Area) - provides metadata for - Zero or more - ShantyTown (Area)
Dataset (Area) - provides metadata for - Zero or more - ShantyTown (Point)
Dataset (Area) - provides metadata for - Zero or more - SharpCurve (Point)
Dataset (Area) - provides metadata for - Zero or more - ShearWall (Line)
Dataset (Area) - provides metadata for - Zero or more - Shed (Area)
Dataset (Area) - provides metadata for - Zero or more - Shed (Point)
Dataset (Area) - provides metadata for - Zero or more - Shipyard (Area)
Dataset (Area) - provides metadata for - Zero or more - Shipyard (Point)
Dataset (Area) - provides metadata for - Zero or more - Shoreline (Line)
Dataset (Area) - provides metadata for - Zero or more - ShorelineConstruction (Area)
Dataset (Area) - provides metadata for - Zero or more - ShorelineConstruction (Line)
Dataset (Area) - provides metadata for - Zero or more - BeachLandingSite (Area)
Dataset (Area) - provides metadata for - Zero or more - BeachLandingSite (Point)
Dataset (Area) - provides metadata for - Zero or more - Sidewalk (Line)
Dataset (Area) - provides metadata for - Zero or more - SkiJump (Line)

Dataset (Area) - provides metadata for - Zero or more - SkiJump (Point)
Dataset (Area) - provides metadata for - Zero or more - SlopeRegion (Area)
Dataset (Area) - provides metadata for - Zero or more - SluiceGate (Line)
Dataset (Area) - provides metadata for - Zero or more - SluiceGate (Point)
Dataset (Area) - provides metadata for - Zero or more - SmallCraftFacility (Area)
Dataset (Area) - provides metadata for - Zero or more - SmallCraftFacility (Point)
Dataset (Area) - provides metadata for - Zero or more - Snag (Area)
Dataset (Area) - provides metadata for - Zero or more - Snag (Point)
Dataset (Area) - provides metadata for - Zero or more - SolarPanel (Area)
Dataset (Area) - provides metadata for - Zero or more - SolarPanel (Point)
Dataset (Area) - provides metadata for - Zero or more - Sounding (Point)
Dataset (Area) - provides metadata for - Zero or more - Spillway (Area)
Dataset (Area) - provides metadata for - Zero or more - Spillway (Line)
Dataset (Area) - provides metadata for - Zero or more - SpotElevation (Point)
Dataset (Area) - provides metadata for - Zero or more - Stadium (Area)
Dataset (Area) - provides metadata for - Zero or more - Stadium (Point)
Dataset (Area) - provides metadata for - Zero or more - Stair (Area)
Dataset (Area) - provides metadata for - Zero or more - Stair (Line)
Dataset (Area) - provides metadata for - Zero or more - InsubstantialNavMark (Point)
Dataset (Area) - provides metadata for - Zero or more - SteepGrade (Line)
Dataset (Area) - provides metadata for - Zero or more - SurfaceBunker (Area)
Dataset (Area) - provides metadata for - Zero or more - SurfaceBunker (Point)
Dataset (Area) - provides metadata for - Zero or more - ShippingContainer (Area)
Dataset (Area) - provides metadata for - Zero or more - ShippingContainer (Point)
Dataset (Area) - provides metadata for - Zero or more - StorageDepot (Area)
Dataset (Area) - provides metadata for - Zero or more - StorageDepot (Point)
Dataset (Area) - provides metadata for - Zero or more - StorageTank (Area)
Dataset (Area) - provides metadata for - Zero or more - StorageTank (Point)
Dataset (Area) - provides metadata for - Zero or more - StructuralPile (Area)
Dataset (Area) - provides metadata for - Zero or more - StructuralPile (Point)
Dataset (Area) - provides metadata for - Zero or more - HazardousRock (Point)
Dataset (Area) - provides metadata for - Zero or more - GeodeticPoint (Point)
Dataset (Area) - provides metadata for - Zero or more - Swamp (Area)
Dataset (Area) - provides metadata for - Zero or more - SweptArea (Area)
Dataset (Area) - provides metadata for - Zero or more - SwimmingPool (Area)
Dataset (Area) - provides metadata for - Zero or more - SwimmingPool (Point)
Dataset (Area) - provides metadata for - Zero or more - Orchard (Area)
Dataset (Area) - provides metadata for - Zero or more - Orchard (Point)
Dataset (Area) - provides metadata for - Zero or more - Taxiway (Area)
Dataset (Area) - provides metadata for - Zero or more - Taxiway (Line)
Dataset (Area) - provides metadata for - Zero or more - Cableway (Line)
Dataset (Area) - provides metadata for - Zero or more - Crater (Area)
Dataset (Area) - provides metadata for - Zero or more - Crater (Point)
Dataset (Area) - provides metadata for - Zero or more - Cut (Line)
Dataset (Area) - provides metadata for - Zero or more - Depression (Area)
Dataset (Area) - provides metadata for - Zero or more - Depression (Point)
Dataset (Area) - provides metadata for - Zero or more - TestSite (Area)
Dataset (Area) - provides metadata for - Zero or more - TidalStreamObserveStation (Point)
Dataset (Area) - provides metadata for - Zero or more - Tower (Area)
Dataset (Area) - provides metadata for - Zero or more - Tower (Point)
Dataset (Area) - provides metadata for - Zero or more - TrafficSeparationScheme (Area)
Dataset (Area) - provides metadata for - Zero or more - TrafficSeparationScheme (Line)
Dataset (Area) - provides metadata for - Zero or more - TrafficSeparationScheme (Point)
Dataset (Area) - provides metadata for - Zero or more - Trail (Line)

Dataset (Area) - provides metadata for - Zero or more - TrainingSite (Area)
Dataset (Area) - provides metadata for - Zero or more - TrainingSite (Point)
Dataset (Area) - provides metadata for - Zero or more - TransportationBlock (Area)
Dataset (Area) - provides metadata for - Zero or more - TransportationBlock (Point)
Dataset (Area) - provides metadata for - Zero or more - TransportationStation (Area)
Dataset (Area) - provides metadata for - Zero or more - TransportationStation (Point)
Dataset (Area) - provides metadata for - Zero or more - Tree (Point)
Dataset (Area) - provides metadata for - Zero or more - Tundra (Area)
Dataset (Area) - provides metadata for - Zero or more - Tunnel (Area)
Dataset (Area) - provides metadata for - Zero or more - Tunnel (Line)
Dataset (Area) - provides metadata for - Zero or more - UndergroundBunker (Area)
Dataset (Area) - provides metadata for - Zero or more - UndergroundBunker (Point)
Dataset (Area) - provides metadata for - Zero or more - UndergroundDwelling (Point)
Dataset (Area) - provides metadata for - Zero or more - VehicleBarrier (Line)
Dataset (Area) - provides metadata for - Zero or more - VehicleBarrier (Point)
Dataset (Area) - provides metadata for - Zero or more - VehicleLot (Area)
Dataset (Area) - provides metadata for - Zero or more - Berth (Point)
Dataset (Area) - provides metadata for - Zero or more - Vineyard (Area)
Dataset (Area) - provides metadata for - Zero or more - Vineyard (Point)
Dataset (Area) - provides metadata for - Zero or more - VoidCollectionArea (Area)
Dataset (Area) - provides metadata for - Zero or more - VolcanicDyke (Line)
Dataset (Area) - provides metadata for - Zero or more - Volcano (Area)
Dataset (Area) - provides metadata for - Zero or more - Volcano (Point)
Dataset (Area) - provides metadata for - Zero or more - Wall (Line)
Dataset (Area) - provides metadata for - Zero or more - WaterbodyDivider (Area)
Dataset (Area) - provides metadata for - Zero or more - TidalWater (Area)
Dataset (Area) - provides metadata for - Zero or more - WaterIntakeTower (Area)
Dataset (Area) - provides metadata for - Zero or more - WaterIntakeTower (Point)
Dataset (Area) - provides metadata for - Zero or more - WaterTower (Area)
Dataset (Area) - provides metadata for - Zero or more - WaterTower (Point)
Dataset (Area) - provides metadata for - Zero or more - WaterTreatmentBed (Area)
Dataset (Area) - provides metadata for - Zero or more - WaterTurbulence (Area)
Dataset (Area) - provides metadata for - Zero or more - WaterTurbulence (Line)
Dataset (Area) - provides metadata for - Zero or more - WaterTurbulence (Point)
Dataset (Area) - provides metadata for - Zero or more - Waterfall (Line)
Dataset (Area) - provides metadata for - Zero or more - Waterfall (Point)
Dataset (Area) - provides metadata for - Zero or more - NaturalPool (Area)
Dataset (Area) - provides metadata for - Zero or more - NaturalPool (Point)
Dataset (Area) - provides metadata for - Zero or more - FiringRange (Area)
Dataset (Area) - provides metadata for - Zero or more - FiringRange (Point)
Dataset (Area) - provides metadata for - Zero or more - WindTurbine (Point)
Dataset (Area) - provides metadata for - Zero or more - Windmill (Area)
Dataset (Area) - provides metadata for - Zero or more - Windmill (Point)
Dataset (Area) - provides metadata for - Zero or more - Cane (Area)
Dataset (Area) - provides metadata for - Zero or more - FireHydrant (Point)
Dataset (Area) - provides metadata for - Zero or more - AntiAircraftArtillerySite (Area)
Dataset (Area) - provides metadata for - Zero or more - AntiAircraftArtillerySite (Point)
Dataset (Area) - provides metadata for - Zero or more - MaritimeSignalStation (Point)
Dataset (Area) - provides metadata for - Zero or more - LandParcel (Area)
Dataset (Area) - provides metadata for - Zero or more - Crevice (Area)
Dataset (Area) - provides metadata for - Zero or more - Crevice (Line)
Dataset (Area) - provides metadata for - Zero or more - Embankment (Area)
Dataset (Area) - provides metadata for - Zero or more - Embankment (Line)
Dataset (Area) - provides metadata for - Zero or more - SkiRun (Area)

Dataset (Area) - provides metadata for - Zero or more - SkiRun (Line)
Dataset (Area) - provides metadata for - Zero or more - CaravanPark (Area)
Dataset (Area) - provides metadata for - Zero or more - AerodromeBeacon (Point)
Dataset (Area) - provides metadata for - Zero or more - BasinGate (Line)
Dataset (Area) - provides metadata for - Zero or more - BasinGate (Point)
Dataset (Area) - provides metadata for - Zero or more - CastleComplex (Area)
Dataset (Area) - provides metadata for - Zero or more - CastleComplex (Point)
Dataset (Area) - provides metadata for - Zero or more - CausewayStructure (Area)
Dataset (Area) - provides metadata for - Zero or more - CausewayStructure (Line)
Dataset (Area) - provides metadata for - Zero or more - CutLine (Line)
Dataset (Area) - provides metadata for - Zero or more - EngineeredEarthwork (Area)
Dataset (Area) - provides metadata for - Zero or more - EngineeredEarthwork (Line)
Dataset (Area) - provides metadata for - Zero or more - FishFarmFacility (Area)
Dataset (Area) - provides metadata for - Zero or more - FishFarmFacility (Point)
Dataset (Area) - provides metadata for - Zero or more - FloodControlStructure (Area)
Dataset (Area) - provides metadata for - Zero or more - FloodControlStructure (Line)
Dataset (Area) - provides metadata for - Zero or more - FloodControlStructure (Point)
Dataset (Area) - provides metadata for - Zero or more - FortifiedBuilding (Area)
Dataset (Area) - provides metadata for - Zero or more - FortifiedBuilding (Point)
Dataset (Area) - provides metadata for - Zero or more - InlandWaterbody (Area)
Dataset (Area) - provides metadata for - Zero or more - InlandWaterbody (Point)
Dataset (Area) - provides metadata for - Zero or more - LandAerodrome (Area)
Dataset (Area) - provides metadata for - Zero or more - LandAerodrome (Point)
Dataset (Area) - provides metadata for - Zero or more - MaricultureSite (Area)
Dataset (Area) - provides metadata for - Zero or more - MemorialMonument (Area)
Dataset (Area) - provides metadata for - Zero or more - MemorialMonument (Line)
Dataset (Area) - provides metadata for - Zero or more - MemorialMonument (Point)
Dataset (Area) - provides metadata for - Zero or more - QanatShaft (Point)
Dataset (Area) - provides metadata for - Zero or more - Railway (Line)
Dataset (Area) - provides metadata for - Zero or more - SewageTreatmentPlant (Area)
Dataset (Area) - provides metadata for - Zero or more - SewageTreatmentPlant (Point)
Dataset (Area) - provides metadata for - Zero or more - ShipElevator (Area)
Dataset (Area) - provides metadata for - Zero or more - ShipElevator (Line)
Dataset (Area) - provides metadata for - Zero or more - ShipElevator (Point)
Dataset (Area) - provides metadata for - Zero or more - TransRouteCharacterChange (Line)
Dataset (Area) - provides metadata for - Zero or more - TransRouteCharacterChange (Point)
Dataset (Area) - provides metadata for - Zero or more - TransRouteProtectStruct (Area)
Dataset (Area) - provides metadata for - Zero or more - TransRouteProtectStruct (Line)
Dataset (Area) - provides metadata for - Zero or more - TransRouteProtectStruct (Point)
Dataset (Area) - provides metadata for - Zero or more - WaterAerodrome (Area)
Dataset (Area) - provides metadata for - Zero or more - WaterAerodrome (Point)
Dataset (Area) - provides metadata for - Zero or more - WaterRace (Line)
Dataset (Area) - provides metadata for - Zero or more - MaritimeNavLightSupport (Point)
Dataset (Area) - provides metadata for - Zero or more - CaveChamber (Area)
Dataset (Area) - provides metadata for - Zero or more - CaveMouth (Point)
Dataset (Area) - provides metadata for - Zero or more - NonWaterWell (Point)
Dataset (Area) - provides metadata for - Zero or more - WaterMeasurementLocation (Area)
Dataset (Area) - provides metadata for - Zero or more - WaterMeasurementLocation (Point)
Dataset (Area) - provides metadata for - Zero or more - AeroRadioNavInstallation (Point)
Dataset (Area) - provides metadata for - Zero or more - WaterMovementDataLocation (Point)
Dataset (Area) - provides metadata for - Zero or more - SnowIceField (Area)
Dataset (Area) - provides metadata for - Zero or more - LandingZone (Area)
Dataset (Area) - provides metadata for - Zero or more - LandingZone (Point)
Dataset (Area) - provides metadata for - Zero or more - HarbourWaters (Area)

Dataset (Area) - provides metadata for - Zero or more - MilitaryBoundary (Line)
 Dataset (Area) - provides metadata for - Zero or more - TrafficLight (Point)
 Dataset (Area) - provides metadata for - Zero or more - InstallationBoundary (Line)
 Dataset (Area) - provides metadata for - Zero or more - TankTrail (Area)
 Dataset (Area) - provides metadata for - Zero or more - TankTrail (Line)
 Dataset (Area) - provides metadata for - Zero or more - TankCrossing (Area)
 Dataset (Area) - provides metadata for - Zero or more - TankCrossing (Point)
 Dataset (Area) - provides metadata for - Zero or more - EngineeredTurnaroundSite (Point)
 Dataset (Area) - provides metadata for - Zero or more - CantonmentArea (Area)
 Dataset (Area) - provides metadata for - Zero or more - WasteHeap (Area)
 Dataset (Area) - provides metadata for - Zero or more - WasteHeap (Point)
 Dataset (Area) - provides metadata for - Zero or more - Pump (Point)
 Dataset (Area) - provides metadata for - Zero or more - AqueductAON (Area)
 Dataset (Area) - provides metadata for - Zero or more - CanalAON (Area)
 Dataset (Area) - provides metadata for - Zero or more - CisternAON (Area)
 Dataset (Area) - provides metadata for - Zero or more - DitchAON (Area)
 Dataset (Area) - provides metadata for - Zero or more - InlandWaterbodyAON (Area)
 Dataset (Area) - provides metadata for - Zero or more - NaturalPoolAON (Area)
 Dataset (Area) - provides metadata for - Zero or more - PipelineAON (Area)
 Dataset (Area) - provides metadata for - Zero or more - PumpingStationAON (Area)
 Dataset (Area) - provides metadata for - Zero or more - RiverAON (Area)
 Dataset (Area) - provides metadata for - Zero or more - SabkhaAON (Area)
 Dataset (Area) - provides metadata for - Zero or more - StorageTankAON (Area)
 Dataset (Area) - provides metadata for - Zero or more - SwimmingPoolAON (Area)
 Dataset (Area) - provides metadata for - Zero or more - WaterWellAON (Area)
 Dataset (Area) - provides metadata for - Zero or more - Aquifer (Area)
 Dataset (Area) - provides metadata for - Zero or more - SurveyPoint (Point)

Feature Dataset (Table)

New ☐ Dataset

A resource that is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process).

[Description] For example, a set of modeling entities whose instances together constitute a 'water resources map'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Absolute Horizontal Accuracy (90%)	1	-999999.0	REAL	metre	0	Either the difference between the recorded horizontal coordinate value(s) of a feature and its true position referenced to the same geodetic datum expressed as a linear error at 90 percent probability for a single coordinate value, or a circular error at 90 percent probability for a pair of coordinate values, or the reason that the value is absent. [Description] The domain of values is a real number. For example, 10.0 (as in the accuracy in metres).
<i>allowed values:</i> -999999.0						
Absolute Vertical Accuracy (90%)	1	-999999.0	REAL	metre	0	The difference between the recorded elevation of a feature and its true elevation referenced to the same vertical datum expressed as a linear error at 90 percent probability.
<i>allowed values:</i> -999999.0						
Cell Identifier	1	No Information	String	Unitless	20	The identifier that denotes a defined extent (for example: a rectangular cell) within a system (for example: an array of rectangular cells) of planar space partitioning. [Description] The partitioning results in a set of unique, continuous, non-overlapping, regions; for example: a grid, a hexagonal tiling, a Voronoi tessellation, a Delaunay triangulation, a Triangulated Irregular Network (TIN). The specific mechanism used to create the tessellation and assign identifiers to its cells is externally defined.
<i>allowed values:</i> No Information						
Cell Partition Scheme	1	No Information	CodeList	Unitless	30	The tessellation scheme used to create a planar space partitioning and assign identifiers to its cells. [Description] The partitioning results in a set of unique, continuous, non-overlapping, regions; for example: a grid, a hexagonal tiling, a Voronoi tessellation, a Delaunay triangulation, a Triangulated Irregular Network (TIN). [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/CellPartitionSchemeCode
<i>allowed values:</i> No Information			Other			

Data Quality Statement	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records a general assessment of the quality of a resource (for example: a data instance, a data set or a data processing activity). [Description] The quality of a data resource is dependent on the data providers knowledge regarding the lineage of the data and the processes that have been used to transform that data. No restriction is placed on the length of the statement.
<i>allowed values:</i> No Information						
Elevation Vertical Accuracy (90%)	1	-999999.0	REAL	metre	0	Either the difference between a recorded elevation value and the true elevation referenced to the same vertical datum, expressed as a linear error at 90 percent probability, or the reason that the value is absent. [Description] The domain of values is a real number. For example, 10.0 (as in the accuracy in metres).
<i>allowed values:</i> -999999.0						
Equivalent Scale Category	1	No Information	CodeList	Unitless	30	The map scale that best represents the density of feature collection within the geospatial extent of a specified region, as a category. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/EquivalentScaleCategoryCode
<i>allowed values:</i> No Information			Other			
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Extraction Specification	1	No Information	CodeList	Unitless	30	The specification that was used as the basis for defining the digital representation of the feature or data set. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ExtractionSpecificationCode
<i>allowed values:</i> No Information			Other			
Extraction Specification Version	1	No Information	String	Unitless	24	The version of the specification that was used as the basis for defining the digital representation of the feature or data set.
<i>allowed values:</i> No Information						
New Feature Code	1	ZI031	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZI031						
New (Location Country) Designation : GENC Short URN-based Identifier	4	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geodetic Datum	1	No Information	CodeList	Unitless	30	A datum describing the relationship of a two-dimensional coordinate system to the Earth. [Description] The datum (sometimes termed 'horizontal datum') defines a surface and two locally-orthogonal axes on that surface as the basis for specifying geodetic longitude and geodetic latitude. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/GeodeticDatumCode
<i>allowed values:</i> No Information			Other			
Height Vertical Accuracy (90%)	1	-999999.0	REAL	metre	0	Either the difference between a recorded height value and the true height referenced to the same ground level, expressed as a linear error at 90 percent probability, or the reason that the value is absent. [Description] The domain of values is a real number. For example, 10.0 (as in the accuracy in metres).
<i>allowed values:</i> -999999.0						
Maintenance Date and Time	1	noInformation	StructuredText	Unitless	20	The date and, optionally, time that maintenance, based on a given Extraction Specification, was completed for the features falling within the geospatial extent of a specified region. [Description] Midnight is understood to be 00:00:00 (the beginning of a day); when the time is not specified then midnight in the local time zone is typically implied. [DatatypeSpecification] A structured text value specifying a date-time. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.4.1, Combinations of date and time of day - Complete representation - Extended format, a calendar date and time representation, as a single data element comprising up to twenty characters, where [YYYY] represents a calendar year, [MM] the ordinal number of a calendar month within the calendar year, [DD] the ordinal number of a day within the calendar month, [hh] the ordinal number of an hour within the calendar day, [mm] the ordinal number of a minute within the hour, [ss] the ordinal number of a second within the minute, and an optional 'Z' when the time is according to Coordinated Universal Time (UTC), as 'YYYY-MM-DDThh:mm:ssZ' (for example: '1985-04-12T11:45:20Z' for 11 hours, 45 minutes and 20 seconds UTC on 12 April 1985). Representations with reduced precision may be used in accordance with 5.4.2 (for example: '1985-04-12' for 12 April 1985). Representations consistently using basic format (eliminating the hyphen '-' and the colon ':') may be used in accordance with 5.4.1 (for example: '19850412T114520Z').

<i>allowed values:</i> <i>noInformation</i>						
Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> <i>No Information</i>						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> <i>U</i>						
Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> <i>No Information</i> <i>Other</i>						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> <i>noInformation</i>						
New Schema Version	1	noInformation	StructuredText	Unitless	254	Identifies the version of the schema used at the time of data collection.
<i>allowed values:</i> <i>noInformation</i>						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> <i>noInformation</i>						

Restriction Information : Unique Entity Identifier	1	pimGUID	StructuredText	Unitless	254	An identifier of the restriction(s) and/or security control(s) applicable to dissemination of data regarding the digital representation of the entity. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> pimGUID						
Unique Resource Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a resource that is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process). [Description] The identifier may be specified by a Uniform Resource Identifier (URI) in accordance with the Internet Engineering Task Force (IETF) RFC2396. [DatatypeSpecification] A structured text value specifying a unique resource (for example: dataset or service) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 (URI Generic Syntax); the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
Vertical Datum	1	No Information	CodeList	Unitless	30	A reference surface with respect to which elevations and/or depths are specified. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/VerticalDatumCode
<i>allowed values:</i> No Information			Other			

Relationships: Dataset (Table) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
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 Dataset (Table) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
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Dataset (Table) - provides metadata for - Zero or more - MissileSite (Area)
Dataset (Table) - provides metadata for - Zero or more - MissileSite (Point)
Dataset (Table) - provides metadata for - Zero or more - Moat (Area)

Dataset (Table) - provides metadata for - Zero or more - Moat (Line)
 Dataset (Table) - provides metadata for - Zero or more - ManufacturedHomePark (Area)
 Dataset (Table) - provides metadata for - Zero or more - Dolphin (Point)
 Dataset (Table) - provides metadata for - Zero or more - MooringMast (Point)
 Dataset (Table) - provides metadata for - Zero or more - Moraine (Area)
 Dataset (Table) - provides metadata for - Zero or more - MountainPass (Point)
 Dataset (Table) - provides metadata for - Zero or more - NamedLocation (Area)
 Dataset (Table) - provides metadata for - Zero or more - NamedLocation (Line)
 Dataset (Table) - provides metadata for - Zero or more - NamedLocation (Point)
 Dataset (Table) - provides metadata for - Zero or more - Buoy (Point)
 Dataset (Table) - provides metadata for - Zero or more - MaritimeNavigationLight (Point)
 Dataset (Table) - provides metadata for - Zero or more - Oasis (Area)
 Dataset (Table) - provides metadata for - Zero or more - Oasis (Point)
 Dataset (Table) - provides metadata for - Zero or more - OverheadObstruction (Line)
 Dataset (Table) - provides metadata for - Zero or more - OverheadObstruction (Point)
 Dataset (Table) - provides metadata for - Zero or more - PackIce (Area)
 Dataset (Table) - provides metadata for - Zero or more - PackIce (Line)
 Dataset (Table) - provides metadata for - Zero or more - Park (Area)
 Dataset (Table) - provides metadata for - Zero or more - ParkingGarage (Area)
 Dataset (Table) - provides metadata for - Zero or more - ParkingGarage (Point)
 Dataset (Table) - provides metadata for - Zero or more - ParticleAccelerator (Area)
 Dataset (Table) - provides metadata for - Zero or more - ParticleAccelerator (Line)
 Dataset (Table) - provides metadata for - Zero or more - ParticleAccelerator (Point)
 Dataset (Table) - provides metadata for - Zero or more - Penstock (Line)
 Dataset (Table) - provides metadata for - Zero or more - HydrocarbonProdFacility (Area)
 Dataset (Table) - provides metadata for - Zero or more - HydrocarbonProdFacility (Point)
 Dataset (Table) - provides metadata for - Zero or more - HydrocarbonsField (Area)
 Dataset (Table) - provides metadata for - Zero or more - HydrocarbonsField (Point)
 Dataset (Table) - provides metadata for - Zero or more - TankFarm (Area)
 Dataset (Table) - provides metadata for - Zero or more - TankFarm (Point)
 Dataset (Table) - provides metadata for - Zero or more - PicnicSite (Area)
 Dataset (Table) - provides metadata for - Zero or more - Pipeline (Line)
 Dataset (Table) - provides metadata for - Zero or more - PlantNursery (Area)
 Dataset (Table) - provides metadata for - Zero or more - PolarIce (Area)
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 Dataset (Table) - provides metadata for - Zero or more - ElectricPowerStation (Point)
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 Dataset (Table) - provides metadata for - Zero or more - PowerSubstation (Point)
 Dataset (Table) - provides metadata for - Zero or more - PreparedWatercourseCross (Point)
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 Dataset (Table) - provides metadata for - Zero or more - PublicSquare (Point)
 Dataset (Table) - provides metadata for - Zero or more - PumpingStation (Area)
 Dataset (Table) - provides metadata for - Zero or more - PumpingStation (Point)
 Dataset (Table) - provides metadata for - Zero or more - Pylon (Point)
 Dataset (Table) - provides metadata for - Zero or more - Racetrack (Area)
 Dataset (Table) - provides metadata for - Zero or more - Racetrack (Line)
 Dataset (Table) - provides metadata for - Zero or more - RadarStation (Area)
 Dataset (Table) - provides metadata for - Zero or more - RadarStation (Point)
 Dataset (Table) - provides metadata for - Zero or more - MaritimeRadarRefLine (Line)
 Dataset (Table) - provides metadata for - Zero or more - RailwaySidetrack (Line)
 Dataset (Table) - provides metadata for - Zero or more - RailwayTurntable (Area)
 Dataset (Table) - provides metadata for - Zero or more - RailwayTurntable (Point)
 Dataset (Table) - provides metadata for - Zero or more - RailwayYard (Area)
 Dataset (Table) - provides metadata for - Zero or more - RailwayYard (Point)

Dataset (Table) - provides metadata for - Zero or more - Ramp (Area)
Dataset (Table) - provides metadata for - Zero or more - Ramp (Line)
Dataset (Table) - provides metadata for - Zero or more - Rapids (Area)
Dataset (Table) - provides metadata for - Zero or more - Rapids (Line)
Dataset (Table) - provides metadata for - Zero or more - Rapids (Point)
Dataset (Table) - provides metadata for - Zero or more - Reef (Area)
Dataset (Table) - provides metadata for - Zero or more - Reef (Line)
Dataset (Table) - provides metadata for - Zero or more - RiceField (Area)
Dataset (Table) - provides metadata for - Zero or more - Rig (Area)
Dataset (Table) - provides metadata for - Zero or more - Rig (Point)
Dataset (Table) - provides metadata for - Zero or more - River (Area)
Dataset (Table) - provides metadata for - Zero or more - River (Line)
Dataset (Table) - provides metadata for - Zero or more - GaugingStation (Point)
Dataset (Table) - provides metadata for - Zero or more - VanishingPoint (Point)
Dataset (Table) - provides metadata for - Zero or more - Road (Area)
Dataset (Table) - provides metadata for - Zero or more - Road (Line)
Dataset (Table) - provides metadata for - Zero or more - RoadInterchange (Point)
Dataset (Table) - provides metadata for - Zero or more - RoadsideRestArea (Area)
Dataset (Table) - provides metadata for - Zero or more - RoadsideRestArea (Point)
Dataset (Table) - provides metadata for - Zero or more - RockFormation (Area)
Dataset (Table) - provides metadata for - Zero or more - RockFormation (Point)
Dataset (Table) - provides metadata for - Zero or more - Roundhouse (Area)
Dataset (Table) - provides metadata for - Zero or more - Roundhouse (Point)
Dataset (Table) - provides metadata for - Zero or more - Ruins (Area)
Dataset (Table) - provides metadata for - Zero or more - Ruins (Point)
Dataset (Table) - provides metadata for - Zero or more - Runway (Area)
Dataset (Table) - provides metadata for - Zero or more - Stopway (Area)
Dataset (Table) - provides metadata for - Zero or more - SaltEvaporator (Area)
Dataset (Table) - provides metadata for - Zero or more - SaltEvaporator (Point)
Dataset (Table) - provides metadata for - Zero or more - SaltFlat (Area)
Dataset (Table) - provides metadata for - Zero or more - SandDunes (Area)
Dataset (Table) - provides metadata for - Zero or more - Lookout (Area)
Dataset (Table) - provides metadata for - Zero or more - Lookout (Point)
Dataset (Table) - provides metadata for - Zero or more - RecyclingSite (Area)
Dataset (Table) - provides metadata for - Zero or more - SeaplaneRun (Area)
Dataset (Table) - provides metadata for - Zero or more - Sabkha (Area)
Dataset (Table) - provides metadata for - Zero or more - Settlement (Area)
Dataset (Table) - provides metadata for - Zero or more - Settlement (Point)
Dataset (Table) - provides metadata for - Zero or more - SettlingPond (Area)
Dataset (Table) - provides metadata for - Zero or more - ShantyTown (Area)
Dataset (Table) - provides metadata for - Zero or more - ShantyTown (Point)
Dataset (Table) - provides metadata for - Zero or more - SharpCurve (Point)
Dataset (Table) - provides metadata for - Zero or more - ShearWall (Line)
Dataset (Table) - provides metadata for - Zero or more - Shed (Area)
Dataset (Table) - provides metadata for - Zero or more - Shed (Point)
Dataset (Table) - provides metadata for - Zero or more - Shipyard (Area)
Dataset (Table) - provides metadata for - Zero or more - Shipyard (Point)
Dataset (Table) - provides metadata for - Zero or more - Shoreline (Line)
Dataset (Table) - provides metadata for - Zero or more - ShorelineConstruction (Area)
Dataset (Table) - provides metadata for - Zero or more - ShorelineConstruction (Line)
Dataset (Table) - provides metadata for - Zero or more - BeachLandingSite (Area)
Dataset (Table) - provides metadata for - Zero or more - BeachLandingSite (Point)
Dataset (Table) - provides metadata for - Zero or more - Sidewalk (Line)
Dataset (Table) - provides metadata for - Zero or more - SkiJump (Line)

Dataset (Table) - provides metadata for - Zero or more - SkiJump (Point)
 Dataset (Table) - provides metadata for - Zero or more - SlopeRegion (Area)
 Dataset (Table) - provides metadata for - Zero or more - SluiceGate (Line)
 Dataset (Table) - provides metadata for - Zero or more - SluiceGate (Point)
 Dataset (Table) - provides metadata for - Zero or more - SmallCraftFacility (Area)
 Dataset (Table) - provides metadata for - Zero or more - SmallCraftFacility (Point)
 Dataset (Table) - provides metadata for - Zero or more - Snag (Area)
 Dataset (Table) - provides metadata for - Zero or more - Snag (Point)
 Dataset (Table) - provides metadata for - Zero or more - SolarPanel (Area)
 Dataset (Table) - provides metadata for - Zero or more - SolarPanel (Point)
 Dataset (Table) - provides metadata for - Zero or more - Sounding (Point)
 Dataset (Table) - provides metadata for - Zero or more - Spillway (Area)
 Dataset (Table) - provides metadata for - Zero or more - Spillway (Line)
 Dataset (Table) - provides metadata for - Zero or more - SpotElevation (Point)
 Dataset (Table) - provides metadata for - Zero or more - Stadium (Area)
 Dataset (Table) - provides metadata for - Zero or more - Stadium (Point)
 Dataset (Table) - provides metadata for - Zero or more - Stair (Area)
 Dataset (Table) - provides metadata for - Zero or more - Stair (Line)
 Dataset (Table) - provides metadata for - Zero or more - InsubstantialNavMark (Point)
 Dataset (Table) - provides metadata for - Zero or more - SteepGrade (Line)
 Dataset (Table) - provides metadata for - Zero or more - SurfaceBunker (Area)
 Dataset (Table) - provides metadata for - Zero or more - SurfaceBunker (Point)
 Dataset (Table) - provides metadata for - Zero or more - ShippingContainer (Area)
 Dataset (Table) - provides metadata for - Zero or more - ShippingContainer (Point)
 Dataset (Table) - provides metadata for - Zero or more - StorageDepot (Area)
 Dataset (Table) - provides metadata for - Zero or more - StorageDepot (Point)
 Dataset (Table) - provides metadata for - Zero or more - StorageTank (Area)
 Dataset (Table) - provides metadata for - Zero or more - StorageTank (Point)
 Dataset (Table) - provides metadata for - Zero or more - StructuralPile (Area)
 Dataset (Table) - provides metadata for - Zero or more - StructuralPile (Point)
 Dataset (Table) - provides metadata for - Zero or more - HazardousRock (Point)
 Dataset (Table) - provides metadata for - Zero or more - GeodeticPoint (Point)
 Dataset (Table) - provides metadata for - Zero or more - Swamp (Area)
 Dataset (Table) - provides metadata for - Zero or more - SweptArea (Area)
 Dataset (Table) - provides metadata for - Zero or more - SwimmingPool (Area)
 Dataset (Table) - provides metadata for - Zero or more - SwimmingPool (Point)
 Dataset (Table) - provides metadata for - Zero or more - Orchard (Area)
 Dataset (Table) - provides metadata for - Zero or more - Orchard (Point)
 Dataset (Table) - provides metadata for - Zero or more - Taxiway (Area)
 Dataset (Table) - provides metadata for - Zero or more - Taxiway (Line)
 Dataset (Table) - provides metadata for - Zero or more - Cableway (Line)
 Dataset (Table) - provides metadata for - Zero or more - Crater (Area)
 Dataset (Table) - provides metadata for - Zero or more - Crater (Point)
 Dataset (Table) - provides metadata for - Zero or more - Cut (Line)
 Dataset (Table) - provides metadata for - Zero or more - Depression (Area)
 Dataset (Table) - provides metadata for - Zero or more - Depression (Point)
 Dataset (Table) - provides metadata for - Zero or more - TestSite (Area)
 Dataset (Table) - provides metadata for - Zero or more - TidalStreamObserveStation (Point)
 Dataset (Table) - provides metadata for - Zero or more - Tower (Area)
 Dataset (Table) - provides metadata for - Zero or more - Tower (Point)
 Dataset (Table) - provides metadata for - Zero or more - TrafficSeparationScheme (Area)
 Dataset (Table) - provides metadata for - Zero or more - TrafficSeparationScheme (Line)
 Dataset (Table) - provides metadata for - Zero or more - TrafficSeparationScheme (Point)
 Dataset (Table) - provides metadata for - Zero or more - Trail (Line)

Dataset (Table) - provides metadata for - Zero or more - TrainingSite (Area)
Dataset (Table) - provides metadata for - Zero or more - TrainingSite (Point)
Dataset (Table) - provides metadata for - Zero or more - TransportationBlock (Area)
Dataset (Table) - provides metadata for - Zero or more - TransportationBlock (Point)
Dataset (Table) - provides metadata for - Zero or more - TransportationStation (Area)
Dataset (Table) - provides metadata for - Zero or more - TransportationStation (Point)
Dataset (Table) - provides metadata for - Zero or more - Tree (Point)
Dataset (Table) - provides metadata for - Zero or more - Tundra (Area)
Dataset (Table) - provides metadata for - Zero or more - Tunnel (Area)
Dataset (Table) - provides metadata for - Zero or more - Tunnel (Line)
Dataset (Table) - provides metadata for - Zero or more - UndergroundBunker (Area)
Dataset (Table) - provides metadata for - Zero or more - UndergroundBunker (Point)
Dataset (Table) - provides metadata for - Zero or more - UndergroundDwelling (Point)
Dataset (Table) - provides metadata for - Zero or more - VehicleBarrier (Line)
Dataset (Table) - provides metadata for - Zero or more - VehicleBarrier (Point)
Dataset (Table) - provides metadata for - Zero or more - VehicleLot (Area)
Dataset (Table) - provides metadata for - Zero or more - Berth (Point)
Dataset (Table) - provides metadata for - Zero or more - Vineyard (Area)
Dataset (Table) - provides metadata for - Zero or more - Vineyard (Point)
Dataset (Table) - provides metadata for - Zero or more - VoidCollectionArea (Area)
Dataset (Table) - provides metadata for - Zero or more - VolcanicDyke (Line)
Dataset (Table) - provides metadata for - Zero or more - Volcano (Area)
Dataset (Table) - provides metadata for - Zero or more - Volcano (Point)
Dataset (Table) - provides metadata for - Zero or more - Wall (Line)
Dataset (Table) - provides metadata for - Zero or more - WaterbodyDivider (Area)
Dataset (Table) - provides metadata for - Zero or more - TidalWater (Area)
Dataset (Table) - provides metadata for - Zero or more - WaterIntakeTower (Area)
Dataset (Table) - provides metadata for - Zero or more - WaterIntakeTower (Point)
Dataset (Table) - provides metadata for - Zero or more - WaterTower (Area)
Dataset (Table) - provides metadata for - Zero or more - WaterTower (Point)
Dataset (Table) - provides metadata for - Zero or more - WaterTreatmentBed (Area)
Dataset (Table) - provides metadata for - Zero or more - WaterTurbulence (Area)
Dataset (Table) - provides metadata for - Zero or more - WaterTurbulence (Line)
Dataset (Table) - provides metadata for - Zero or more - WaterTurbulence (Point)
Dataset (Table) - provides metadata for - Zero or more - Waterfall (Line)
Dataset (Table) - provides metadata for - Zero or more - Waterfall (Point)
Dataset (Table) - provides metadata for - Zero or more - NaturalPool (Area)
Dataset (Table) - provides metadata for - Zero or more - NaturalPool (Point)
Dataset (Table) - provides metadata for - Zero or more - FiringRange (Area)
Dataset (Table) - provides metadata for - Zero or more - FiringRange (Point)
Dataset (Table) - provides metadata for - Zero or more - WindTurbine (Point)
Dataset (Table) - provides metadata for - Zero or more - Windmill (Area)
Dataset (Table) - provides metadata for - Zero or more - Windmill (Point)
Dataset (Table) - provides metadata for - Zero or more - Cane (Area)
Dataset (Table) - provides metadata for - Zero or more - FireHydrant (Point)
Dataset (Table) - provides metadata for - Zero or more - AntiAircraftArtillerySite (Area)
Dataset (Table) - provides metadata for - Zero or more - AntiAircraftArtillerySite (Point)
Dataset (Table) - provides metadata for - Zero or more - MaritimeSignalStation (Point)
Dataset (Table) - provides metadata for - Zero or more - LandParcel (Area)
Dataset (Table) - provides metadata for - Zero or more - Crevice (Area)
Dataset (Table) - provides metadata for - Zero or more - Crevice (Line)
Dataset (Table) - provides metadata for - Zero or more - Embankment (Area)
Dataset (Table) - provides metadata for - Zero or more - Embankment (Line)
Dataset (Table) - provides metadata for - Zero or more - SkiRun (Area)

Dataset (Table) - provides metadata for - Zero or more - SkiRun (Line)
 Dataset (Table) - provides metadata for - Zero or more - CaravanPark (Area)
 Dataset (Table) - provides metadata for - Zero or more - AerodromeBeacon (Point)
 Dataset (Table) - provides metadata for - Zero or more - BasinGate (Line)
 Dataset (Table) - provides metadata for - Zero or more - BasinGate (Point)
 Dataset (Table) - provides metadata for - Zero or more - CastleComplex (Area)
 Dataset (Table) - provides metadata for - Zero or more - CastleComplex (Point)
 Dataset (Table) - provides metadata for - Zero or more - CausewayStructure (Area)
 Dataset (Table) - provides metadata for - Zero or more - CausewayStructure (Line)
 Dataset (Table) - provides metadata for - Zero or more - CutLine (Line)
 Dataset (Table) - provides metadata for - Zero or more - EngineeredEarthwork (Area)
 Dataset (Table) - provides metadata for - Zero or more - EngineeredEarthwork (Line)
 Dataset (Table) - provides metadata for - Zero or more - FishFarmFacility (Area)
 Dataset (Table) - provides metadata for - Zero or more - FishFarmFacility (Point)
 Dataset (Table) - provides metadata for - Zero or more - FloodControlStructure (Area)
 Dataset (Table) - provides metadata for - Zero or more - FloodControlStructure (Line)
 Dataset (Table) - provides metadata for - Zero or more - FloodControlStructure (Point)
 Dataset (Table) - provides metadata for - Zero or more - FortifiedBuilding (Area)
 Dataset (Table) - provides metadata for - Zero or more - FortifiedBuilding (Point)
 Dataset (Table) - provides metadata for - Zero or more - InlandWaterbody (Area)
 Dataset (Table) - provides metadata for - Zero or more - InlandWaterbody (Point)
 Dataset (Table) - provides metadata for - Zero or more - LandAerodrome (Area)
 Dataset (Table) - provides metadata for - Zero or more - LandAerodrome (Point)
 Dataset (Table) - provides metadata for - Zero or more - MaricultureSite (Area)
 Dataset (Table) - provides metadata for - Zero or more - MemorialMonument (Area)
 Dataset (Table) - provides metadata for - Zero or more - MemorialMonument (Line)
 Dataset (Table) - provides metadata for - Zero or more - MemorialMonument (Point)
 Dataset (Table) - provides metadata for - Zero or more - QanatShaft (Point)
 Dataset (Table) - provides metadata for - Zero or more - Railway (Line)
 Dataset (Table) - provides metadata for - Zero or more - SewageTreatmentPlant (Area)
 Dataset (Table) - provides metadata for - Zero or more - SewageTreatmentPlant (Point)
 Dataset (Table) - provides metadata for - Zero or more - ShipElevator (Area)
 Dataset (Table) - provides metadata for - Zero or more - ShipElevator (Line)
 Dataset (Table) - provides metadata for - Zero or more - ShipElevator (Point)
 Dataset (Table) - provides metadata for - Zero or more - TransRouteCharacterChange (Line)
 Dataset (Table) - provides metadata for - Zero or more - TransRouteCharacterChange (Point)
 Dataset (Table) - provides metadata for - Zero or more - TransRouteProtectStruct (Area)
 Dataset (Table) - provides metadata for - Zero or more - TransRouteProtectStruct (Line)
 Dataset (Table) - provides metadata for - Zero or more - TransRouteProtectStruct (Point)
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 Dataset (Table) - provides metadata for - Zero or more - WaterAerodrome (Point)
 Dataset (Table) - provides metadata for - Zero or more - WaterRace (Line)
 Dataset (Table) - provides metadata for - Zero or more - MaritimeNavLightSupport (Point)
 Dataset (Table) - provides metadata for - Zero or more - CaveChamber (Area)
 Dataset (Table) - provides metadata for - Zero or more - CaveMouth (Point)
 Dataset (Table) - provides metadata for - Zero or more - NonWaterWell (Point)
 Dataset (Table) - provides metadata for - Zero or more - WaterMeasurementLocation (Area)
 Dataset (Table) - provides metadata for - Zero or more - WaterMeasurementLocation (Point)
 Dataset (Table) - provides metadata for - Zero or more - AeroRadioNavInstallation (Point)
 Dataset (Table) - provides metadata for - Zero or more - WaterMovementDataLocation (Point)
 Dataset (Table) - provides metadata for - Zero or more - SnowIceField (Area)
 Dataset (Table) - provides metadata for - Zero or more - LandingZone (Area)
 Dataset (Table) - provides metadata for - Zero or more - LandingZone (Point)
 Dataset (Table) - provides metadata for - Zero or more - HarbourWaters (Area)

Dataset (Table) - provides metadata for - Zero or more - MilitaryBoundary (Line)
 Dataset (Table) - provides metadata for - Zero or more - TrafficLight (Point)
 Dataset (Table) - provides metadata for - Zero or more - InstallationBoundary (Line)
 Dataset (Table) - provides metadata for - Zero or more - TankTrail (Area)
 Dataset (Table) - provides metadata for - Zero or more - TankTrail (Line)
 Dataset (Table) - provides metadata for - Zero or more - TankCrossing (Area)
 Dataset (Table) - provides metadata for - Zero or more - TankCrossing (Point)
 Dataset (Table) - provides metadata for - Zero or more - EngineeredTurnaroundSite (Point)
 Dataset (Table) - provides metadata for - Zero or more - CantonmentArea (Area)
 Dataset (Table) - provides metadata for - Zero or more - WasteHeap (Area)
 Dataset (Table) - provides metadata for - Zero or more - WasteHeap (Point)
 Dataset (Table) - provides metadata for - Zero or more - Pump (Point)
 Dataset (Table) - provides metadata for - Zero or more - AqueductAON (Area)
 Dataset (Table) - provides metadata for - Zero or more - CanalAON (Area)
 Dataset (Table) - provides metadata for - Zero or more - CisternAON (Area)
 Dataset (Table) - provides metadata for - Zero or more - DitchAON (Area)
 Dataset (Table) - provides metadata for - Zero or more - InlandWaterbodyAON (Area)
 Dataset (Table) - provides metadata for - Zero or more - NaturalPoolAON (Area)
 Dataset (Table) - provides metadata for - Zero or more - PipelineAON (Area)
 Dataset (Table) - provides metadata for - Zero or more - PumpingStationAON (Area)
 Dataset (Table) - provides metadata for - Zero or more - RiverAON (Area)
 Dataset (Table) - provides metadata for - Zero or more - SabkhaAON (Area)
 Dataset (Table) - provides metadata for - Zero or more - StorageTankAON (Area)
 Dataset (Table) - provides metadata for - Zero or more - SwimmingPoolAON (Area)
 Dataset (Table) - provides metadata for - Zero or more - WaterWellAON (Area)
 Dataset (Table) - provides metadata for - Zero or more - Aquifer (Area)
 Dataset (Table) - provides metadata for - Zero or more - SurveyPoint (Point)

Feature DefensiveRevetment (Line)

New ☐ Defensive Revetment

A raised construction that protects a military asset (for example: aircraft or fighting vehicle), equipment (for example: radar station), and/or facility (for example: surface-to-air missile site) from hostile action. [Description] Defensive revetments may be constructed of sandbags, concrete, compacted earth, or other material such as logs or metal. They offer protection against low flying splinters, shrapnel, and/or projectiles from bombs, rockets, grenades, small arms fire and other line-of-sight weapons. High-angle, low-velocity fragments will still impact the exposed site.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB050	CONSTRAINED_STRING	Unitless	5	Feature Code

<i>allowed values:</i> GB050							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> <div>Conventional</div> <div>Native Transliterated</div> <div>Unverified Original</div> <div>Historical Original</div> <div>No Information</div> <div>Unverified Transliterated</div> <div>Historical Transliterated</div> <div>Other</div> <div>Variant Original</div> <div>Native Original</div> <div>Provisional</div> <div>Variant Transliterated</div>							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> <div>Construction</div> <div>Intact</div> <div>Damaged</div> <div>No Information</div> <div>Destroyed</div> <div>Unmaintained</div> <div>Dismantled</div>							

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Asphalt Masonry Reinforced Concrete Wood			Boulders Metal Rubble			Brick Concrete No Information Other Sand Soil

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Usable Length	1	-999999.0	REAL	metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: DefensiveRevetment (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DefensiveRevetment (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 DefensiveRevetment (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 DefensiveRevetment (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DefensiveRevetment (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DefensiveRevetment (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DefensiveRevetment (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DefensiveRevetment (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 DefensiveRevetment (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 DefensiveRevetment (Line) - is a member of group - Exactly one - MilitaryCrv (FeatureGroup)

Feature Depression (Area)New ☐ Depression**A sunken place in the terrain that is completely surrounded by higher terrain.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.

allowed values: -999999.0

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	DB080	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> DB080						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Predominant Feature Depth	1	-999999.0	REAL	metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
	<i>allowed values:</i> -999999.0						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Depression (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Depression (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Depression (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Depression (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Depression (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Depression (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Depression (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Depression (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Depression (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Depression (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Depression (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Depression (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature Depression (Point) New ☐ Depression

A sunken place in the terrain that is completely surrounded by higher terrain.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	DB080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB080						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Predominant Feature Depth	1	-999999.0	REAL	Metre	0	The predominant depth (the depth of at least 50 percent) of the feature.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Surface Slope	1	[-999999.0, -999999.0]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Depression (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Depression (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Depression (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Depression (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Depression (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Depression (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Depression (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Depression (Point) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup)
 Depression (Point) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 Depression (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)

Feature DepthArea (Area)New ☐ Depth Area**A water area whose depth is within a defined range of values.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BE019	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BE019						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: DepthArea (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DepthArea (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 DepthArea (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 DepthArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DepthArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DepthArea (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DepthArea (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DepthArea (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 DepthArea (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 DepthArea (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature DepthContour (Line)

New ☐ Depth Contour

A line connecting points of equal depth at and below the hydrographic datum. [Description] Depth contours follow the rules for contour formation, that is, contours must close on themselves, must be continuous, and must precisely represent the shape of the bottom. Depth contours are usually based on detailed bathymetric information.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Depth Curve or Contour Value	1	-999999.0	Real	Metre	0	A specified value assigned to a particular depth curve or contour.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BE015	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BE015						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: DepthContour (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DepthContour (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 DepthContour (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 DepthContour (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DepthContour (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DepthContour (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DepthContour (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DepthContour (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)
 DepthContour (Line) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 DepthContour (Line) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 DepthContour (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 DepthContour (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature DepthCurve (Line)

New ☐ Depth Curve

A navigational safety line indicating that no sounding of a lesser depth exists seaward of the line, but greater depths may occur on the shallow side of the line. [Description] Depth curves should not be confused with a depth contour. Depth curves are generalised, are biased towards safety of navigation, and do not fully follow the rules for contour formation, that is, contours must close on themselves, must be continuous, and must precisely represent the shape of the bottom.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Depth Curve or Contour Value : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Doubtful Least Depth Not Applicable Unconfirmed Depth			Depth Known Maintained Depth Other Unmaintained Depth			Depth Unreliable No Information Safe Clearance Known
Depth Curve or Contour Value : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Side-scan Sonar Computer Generated Electromagnetic Sensor No Information Side-scan Sonar			Area Swept by Vertical Acoustic System Depth Known by Other Than Wire Drag Lead-line Other Singlebeam			Area Swept by Wire-drag Diver Levelling Photogrammetry Underwater Utility Vehicle Bathymetric LiDAR Echo Sounder Multi-beam Echo Sounder Satellite Imagery
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Depth Curve or Contour Value	1	-999999.0	REAL	Metre	0	A specified value assigned to a particular depth curve or contour.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BE010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BE010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Depth Curve or Contour Value : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<i>allowed values:</i>	Approximate Lowest Astronomical Tide	Approximate Mean Low Water	Approximate Mean Low Water Springs	Approximate Mean Lower Low Water		
	Approximate Mean Sea Level	Chart Datum (Unspecified)	<i>Drying Heights</i>	Equinoctial Spring Low Water		
	High Water	High Water Springs	Higher High Water	Higher High Water Large Tide		
	Highest Astronomical Tide	Highest High Water	Indian Spring High Water	Indian Spring Low Water		
	International Great Lakes Datum 1985	Local Datum	Low Water	Low Water Springs		
	Lower Low Water	Lower Low Water Large Tide	Lowest Astronomical Tide	Lowest Low Water		
	Lowest Low Water Springs	Mean High Water	Mean High Water Neaps	Mean High Water Springs		
	Mean Higher High Water	Mean Higher High Water Springs	Mean Low Water	Mean Low Water Neaps		
	Mean Low Water Springs	Mean Lower Low Water	Mean Lower Low Water Springs	Mean Sea Level		
	Mean Tide Level	Mean Water Level	Neap Tide	Nearly Highest High Water		
	Nearly Lowest Low Water	No Information	<i>Ordinary</i>	Other		
	<i>Slant</i>	Spring Tide				
Depth Curve or Contour Value : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
<i>allowed values:</i> No Information						

Depth Curve or Contour Value : 1 No Information Enumeration Unitless 0 The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
Sounding Metadata : Sounding
Velocity Correction Method

allowed values: Mathews Tables
Sound Velocity Meter

No Information

Not Applicable

Other

Sounder 1500 Calibrated

Sounder 4800 Calibrated

Sounder Other Calibrated

Specified Domain Value(s) 1 noInformation StructuredText Unitless 2E+09 One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: noInformation

Unique Entity Identifier 1 noInformation StructuredText Unitless 254 An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation

allowed values: pimGUID

Depth Curve or Contour Value : 1 No Information Boolean Unitless 0 An indication that a vessel draft correction has been applied.
Sounding Metadata : Vessel Draft
Correction

allowed values: False

No Information

True

Relationships: DepthCurve (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
DepthCurve (Line) - has dataset metadata in - Zero or one - Dataset (Area)
DepthCurve (Line) - has dataset metadata in - Zero or one - Dataset (Table)
DepthCurve (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
DepthCurve (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
DepthCurve (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
DepthCurve (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
DepthCurve (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)
DepthCurve (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
DepthCurve (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Desert (Area)

New ☐ Desert

An arid and treeless uncultivated sparsely populated tract of land.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New Feature Metadata : Cartographic Usability Range 1 [-999999, -999999] Integer_Interval Unitless 0 A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.

<i>allowed values:</i> [-999999, -999999]							
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
New	Feature Code	1	EE030	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> EE030							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc. [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U							

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Terrain Surface Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the surface layer of the terrain.
<i>allowed values:</i> Bedrock Gravel No Information Soil			Boulders Lava Flow Other			Evaporite Loess Rock Frozen Water Mud Sand
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Desert (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Desert (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Desert (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Desert (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Desert (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Desert (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Desert (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Desert (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Desert (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Desert (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature DiscolouredWater (Area)

New ☐ Discoloured Water

A region of water having a colour distinctly different from that of the surrounding region.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BD030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD030						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: DiscolouredWater (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DiscolouredWater (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 DiscolouredWater (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 DiscolouredWater (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DiscolouredWater (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DiscolouredWater (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DiscolouredWater (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DiscolouredWater (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 DiscolouredWater (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 DiscolouredWater (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature DiscolouredWater (Point)

New ☐ Discoloured Water

A region of water having a colour distinctly different from that of the surrounding region.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

	<i>allowed values:</i> <i>noInformation</i>						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> <i>[-999999, -999999]</i>						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> <i>noInformation</i>						
New	Feature Code	1	BD030	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> <i>BD030</i>						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> <i>noInformation</i>						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> <i>No Information</i>						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> <i>No Information</i>			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original <i>No Information</i> Unverified Transliterated			Historical Transliterated <i>Other</i> Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> <i>-999999.0</i>						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> <i>No Information</i>						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> <i>No Information</i>						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/icsm/7.0.0/CVEnumISMClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: *No Information*

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' or '(cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: DiscolouredWater (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DiscolouredWater (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 DiscolouredWater (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 DiscolouredWater (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DiscolouredWater (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DiscolouredWater (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DiscolouredWater (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DiscolouredWater (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)
 DiscolouredWater (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 DiscolouredWater (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature DishAerial (Point)New ☐ Dish Aerial

A concave-shaped aerial that is used for emitting and/or sensing electromagnetic energy. [Description] For example, used to transmit and/or receive electronic signals as at a satellite station or to capture electromagnetic energy as in radio astronomy.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AT010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AT010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Fibreglass			Metal			
<i>allowed values:</i> No Information			Other			
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: DishAerial (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DishAerial (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 DishAerial (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 DishAerial (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DishAerial (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DishAerial (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DishAerial (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DishAerial (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 DishAerial (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 DishAerial (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 DishAerial (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature DisposalSite (Area)

New ☐ Disposal Site

A prepared or reserved site on land for the collection and/or deposition of waste, refuse or discarded material.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> No Information Sludge			Other Spoil			Refuse Slag
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AB000	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AB000						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: DisposalSite (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DisposalSite (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 DisposalSite (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 DisposalSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DisposalSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DisposalSite (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DisposalSite (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DisposalSite (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 DisposalSite (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 DisposalSite (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 DisposalSite (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 DisposalSite (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature DisposalSite (Point)New ☐ Disposal Site**A prepared or reserved site on land for the collection and/or deposition of waste, refuse or discarded material.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> No Information Sludge			Other Spoil			Refuse Slag
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

<i>allowed values:</i> No Information		Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	AB000	CONSTRAINED_ STRING	Unitless	5	Feature Code		
<i>allowed values:</i> AB000									
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.		
<i>allowed values:</i> noInformation									
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.		
<i>allowed values:</i> No Information									
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2		
<i>allowed values:</i> No Information									
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.		
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.		
<i>allowed values:</i> -999999.0									
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.		
<i>allowed values:</i> -999999.0									
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.		
<i>allowed values:</i> -999999.0									
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.		
<i>allowed values:</i> No Information									
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.		
<i>allowed values:</i> No Information									

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: DisposalSite (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DisposalSite (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 DisposalSite (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 DisposalSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DisposalSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DisposalSite (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DisposalSite (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DisposalSite (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 DisposalSite (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 DisposalSite (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature DistanceMark (Point)New ☐ Distance Mark

A marker that indicates the value of distance measured from a starting location. [Description] Consists of either a solid visible structure or a distinct location without a special installation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	ZB036	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZB036						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Inland Waterway Railway			No Information Road			Other Pedestrian
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						

Relationships: DistanceMark (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DistanceMark (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 DistanceMark (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 DistanceMark (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DistanceMark (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DistanceMark (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DistanceMark (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DistanceMark (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)
 DistanceMark (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 DistanceMark (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Ditch (Area)New ☐ Ditch

An artificial waterway with no flow, or a controlled flow, usually unlined, used for draining or irrigating land.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999.0 <i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate Other			Left Right		No Flow	No Information
<i>allowed values:</i> Indeterminate Other			Left Right		No Flow	No Information
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
<i>allowed values:</i> Bedrock Gravel and Cobble Paved Sand Soil			Clay and Silt Masonry Peat Sand and Gravel		Concrete No Information Reinforced Concrete Sand over Mud	Coral Other Rocks and Boulders Silty Sands
<i>allowed values:</i> Bedrock Gravel and Cobble Paved Sand Slash			Clay and Silt Masonry Peat Sand and Gravel Soil		Concrete No Information Reinforced Concrete Sand over Mud	Coral Other Rocks and Boulders Silty Sands

	allowed values:	Bedrock Gravel and Cobble Paved Sand Slash	Clay and Silt Masonry Peat Sand and Gravel Soil	Concrete No Information Reinforced Concrete Sand over Mud	Coral Other Rocks and Boulders Silty Sands		
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	allowed values:	[-999999, -999999]					
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	allowed values:	-999999.0					
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	allowed values:	-999999.0					
	Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
	allowed values:	False		No Information		True	
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	allowed values:	No Information		Other		Private Public	
	Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
	allowed values:	False		No Information		True	
	Covered Drain Length	1	-999999.0	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.
	allowed values:	-999999.0					
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	allowed values:	-999999.0					
	Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
	allowed values:	-999999					
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	allowed values:	-999999.0					
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	allowed values:	noInformation					
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	allowed values:	Intermittent Partially Operational		No Information Planned		Non-operational Temporarily Non-operational Operational	
New	Feature Code	1	BH030	CONSTRAINED_STRING	Unitless	5	Feature Code
	allowed values:	BH030					

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> <div> Conventional Native Transliterated Unverified Original </div> <div> Historical Original No Information Unverified Transliterated </div> <div> Historical Transliterated Other Variant Original </div> <div> Native Original Provisional Variant Transliterated </div>							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0							
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry							
	Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							

Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	
					Dismantled	
Predominant Average Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Maximum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Maximum Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Water Depth	1	-999999.0	REAL	Metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]			-999999.0			
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						

Inland Waterbody Bank : Predominant Waterbody Bank Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed Raised						
Level						
No Information						
Not Applicable						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False						
No Information						
True						
<i>allowed values:</i> False						
No Information						
True						
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Marshy Sandy						
Erosion Rubble Mud						
Ice						
No Information						
Mangrove						
Other						
<i>allowed values:</i> Building Rubble Marshy Sandy						
Erosion Rubble Mud						
Ice						
No Information						
Mangrove						
Other						
Shingly						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Below Ground Surface			No Information			On Surface
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
<i>allowed values:</i> Large Small			Moderate			No Information Other
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).

<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
New Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
<i>allowed values:</i> From All Sides From Right No Information From East From South From Left From West From North No Accessibility						
New Water Resource Information : Water Stage	1	No Information	Enumeration	Unitless	0	The flow stage of a stream or canal.
<i>allowed values:</i> High Other Low Mean No Information						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
<i>allowed values:</i> -999999.0 <i>allowed values:</i> -999999.0						
Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
<i>allowed values:</i> [-999999.0, -999999.0] <i>allowed values:</i> [-999999.0, -999999.0]						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Ditch (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Ditch (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Ditch (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Ditch (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Ditch (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Ditch (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Ditch (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Ditch (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Ditch (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Ditch (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Ditch (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature Ditch (Line)New ☐ Ditch

An artificial waterway with no flow, or a controlled flow, usually unlined, used for draining or irrigating land.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999.0						
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]			-999999.0			
Inland Waterbody Bank : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate			Left		No Flow	No Information
<i>allowed values:</i> Other			Right			
<i>allowed values:</i> Indeterminate			Left		No Flow	No Information
<i>allowed values:</i> Other			Right			
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
<i>allowed values:</i> Bedrock			Clay and Silt		Concrete	Coral
<i>allowed values:</i> Gravel and Cobble			Masonry		No Information	Other
<i>allowed values:</i> Paved			Peat		Reinforced Concrete	Rocks and Boulders
<i>allowed values:</i> Sand			Sand and Gravel		Sand over Mud	Silty Sands
<i>allowed values:</i> Soil						
<i>allowed values:</i> Bedrock			Clay and Silt		Concrete	Coral
<i>allowed values:</i> Gravel and Cobble			Masonry		No Information	Other
<i>allowed values:</i> Paved			Peat		Reinforced Concrete	Rocks and Boulders
<i>allowed values:</i> Sand			Sand and Gravel		Sand over Mud	Silty Sands
<i>allowed values:</i> Slash			Soil			

	<i>allowed values:</i>	Bedrock Gravel and Cobble Paved Sand Slash	Clay and Silt Masonry Peat Sand and Gravel Soil	Concrete No Information Reinforced Concrete Sand over Mud	Coral Other Rocks and Boulders Silty Sands		
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i>	[-999999, -999999]					
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i>	-999999.0					
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i>	-999999.0					
	Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
	<i>allowed values:</i>	False		No Information		True	
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i>	No Information		Other		Private Public	
	Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i>	False		No Information		True	
	Covered Drain Length	1	-999999.0	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.
	<i>allowed values:</i>	-999999.0					
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i>	-999999.0					
	Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
	<i>allowed values:</i>	-999999					
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i>	-999999.0					
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i>	noInformation					
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i>	Intermittent Partially Operational		No Information Planned		Non-operational Temporarily Non-operational Operational	
New	Feature Code	1	BH030	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	BH030					

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> <div> Conventional Native Transliterated Unverified Original </div> <div> Historical Original No Information Unverified Transliterated </div> <div> Historical Transliterated Other Variant Original </div> <div> Native Original Provisional Variant Transliterated </div>							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0							
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry							
	Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							

Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained Dismantled	
Predominant Average Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Maximum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Maximum Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Water Depth	1	-999999.0	REAL	Metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]			-999999.0			
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						

Inland Waterbody Bank : Predominant Waterbody Bank Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed Raised						
Level						
No Information						
Not Applicable						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False						
No Information						
True						
<i>allowed values:</i> False						
No Information						
True						
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Marshy Sandy						
Erosion Rubble Mud Shingly						
Ice No Information Stony						
Mangrove Other						
<i>allowed values:</i> Building Rubble Marshy Sandy						
Erosion Rubble Mud Shingly						
Ice No Information Stony						
Mangrove Other						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Below Ground Surface			No Information			On Surface
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
<i>allowed values:</i> Large Small			Moderate			No Information Other
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).

<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
New Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
<i>allowed values:</i> From All Sides From Right No Information From East From South From Left From West From North No Accessibility						
New Water Resource Information : Water Stage	1	No Information	Enumeration	Unitless	0	The flow stage of a stream or canal.
<i>allowed values:</i> High Other Low Mean No Information						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
<i>allowed values:</i> -999999.0 <i>allowed values:</i> -999999.0						
Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
<i>allowed values:</i> [-999999.0, -999999.0] <i>allowed values:</i> [-999999.0, -999999.0]						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Ditch (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Ditch (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Ditch (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Ditch (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Ditch (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Ditch (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Ditch (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Ditch (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Ditch (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Ditch (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Ditch (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Ditch (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)

Feature DitchAON (Area)New ☒ Ditch Area of Numerous

Area of numerous artificial waterways with no flow, or a controlled flow, usually unlined, used for draining or irrigating land.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999.0						
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> No Information			Other			Private Public
Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.

<u>allowed values:</u> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<u>allowed values:</u> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> Intermittent Partially Operational						
No Information Planned Non-operational Temporarily Non-operational Operational						
New Feature Code	1	NM030	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> NM030						
Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.
<u>allowed values:</u> -999999						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information						
Other						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<u>allowed values:</u> Dry						
Intermittent						
No Information						
Perennial						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False						
No Information						
True						

Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Predominant Average Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i> [-999999.0, -999999.0] <i>allowed values:</i> [-999999.0, -999999.0]						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False			No Information			True
<i>allowed values:</i> False			No Information			True
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						

	Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable		Nonpotable	Other
New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	<i>allowed values:</i> From All Sides From Right No Information			From East From South		From Left From West	From North No Accessibility
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other
	Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other		Domestic Irrigation Military Power Generation	Industrial Municipal Recreational
	Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
	<i>allowed values:</i> -999999.0						
	Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
	<i>allowed values:</i> [-999999.0, -999999.0] <i>allowed values:</i> [-999999.0, -999999.0]						
Relationships: DitchAON (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table) DitchAON (Area) - has dataset metadata in - Zero or one - Dataset (Area) DitchAON (Area) - has dataset metadata in - Zero or one - Dataset (Table) DitchAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area) DitchAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table) DitchAON (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table) DitchAON (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table) DitchAON (Area) - is a member of group - Exactly one - HydrographyAON (FeatureGroup) DitchAON (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)							

Feature Dolphin (Point)

New ☐ Dolphin

A post or group of posts used for mooring, warping a ship or as an aid to navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BB080	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BB080						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: *noInformation**allowed values:* *pimGUID*

Relationships: Dolphin (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Dolphin (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Dolphin (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Dolphin (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Dolphin (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Dolphin (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Dolphin (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Dolphin (Point) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup)
 Dolphin (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Dolphin (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature DragonsTeeth (Area)New ☐ Dragon's Teeth

Upward-pointing obstacles laid in the ground to slow or stop the movement of vehicles. [Description] Typically constructed of regularly spaced concrete or metal shapes laid in single or multiple rows.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> <i>[-999999, -999999]</i>						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AL060</i>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> <i>noInformation</i>						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> <div> <div>Construction</div> <div>Intact</div> </div> <div> <div>Damaged</div> <div>No Information</div> </div> <div> <div>Destroyed</div> <div>Unmaintained</div> </div> <div> <div>Dismantled</div> </div>						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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allowed values: Concrete
Stone

No Information

Other

Steel

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: DragonsTeeth (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DragonsTeeth (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 DragonsTeeth (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 DragonsTeeth (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DragonsTeeth (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DragonsTeeth (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DragonsTeeth (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DragonsTeeth (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 DragonsTeeth (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 DragonsTeeth (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature DragonsTeeth (Line)

New ☐ Dragon's Teeth

Upward-pointing obstacles laid in the ground to slow or stop the movement of vehicles. [Description] Typically constructed of regularly spaced concrete or metal shapes laid in single or multiple rows.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational
New	Feature Code	1	AL060	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL060						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information		Other				
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact		Damaged No Information		Destroyed Unmaintained		Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMClassificationAll

allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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allowed values: Concrete
Stone

No Information

Other

Steel

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformationallowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: DragonsTeeth (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DragonsTeeth (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 DragonsTeeth (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 DragonsTeeth (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DragonsTeeth (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DragonsTeeth (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DragonsTeeth (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DragonsTeeth (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 DragonsTeeth (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 DragonsTeeth (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 DragonsTeeth (Line) - is a member of group - Exactly one - MilitaryCrv (FeatureGroup)

Feature DredgedArea (Area)

New ☐ Dredged Area

An area of the bottom of a body of water (for example: a channel) which has been deepened by dredging.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Doubtful Least Depth Not Applicable Unconfirmed Depth			Depth Known Maintained Depth Other Unmaintained Depth			Depth Unknown No Bottom Reported Depth Depth Unreliable No Information Safe Clearance Known
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Side-scan Sonar Computer Generated Lead-line Other Singlebeam			Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle			Area Swept by Wire-drag Echo Sounder Multi-beam Echo Sounder Satellite Imagery Bathymetric LiDAR Electromagnetic Sensor No Information Side-scan Sonar
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Province No Information Public

	Description of Aids to Navigation	1	No Information	String	Unitless	2E+09	Textual description of aids to navigation marking a feature. [Description] For example, 'marked by buoys'.
	<u>allowed values:</u> No Information						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
New	Feature Code	1	FC034	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> FC034						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Hydrographic Depth	1	-999999.0	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Maintained	1	No Information	Boolean	Unitless	0	An indication that a feature is maintained.
	<u>allowed values:</u> False			No Information		True	
	Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
	<u>allowed values:</u> False			No Information		True	
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

allowed values: No Information

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Hydrographic Depth : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
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<u>allowed values:</u>	Approximate Lowest Astronomical Tide	Approximate Mean Low Water	Approximate Mean Low Water Springs	Approximate Mean Lower Low Water
	Approximate Mean Sea Level	Chart Datum (Unspecified)	Equinoctial Spring Low Water	High Water
	High Water Springs	Higher High Water	Higher High Water Large Tide	Highest Astronomical Tide
	Highest High Water	Indian Spring High Water	Indian Spring Low Water	International Great Lakes Datum 1985
	Local Datum	Low Water	Low Water Springs	Lower Low Water
	Lower Low Water Large Tide	Lowest Astronomical Tide	Lowest Low Water	Lowest Low Water Springs
	Mean High Water	Mean High Water Neaps	Mean High Water Springs	Mean Higher High Water
	Mean Higher High Water Springs	Mean Low Water	Mean Low Water Neaps	Mean Low Water Springs
	Mean Lower Low Water	Mean Lower Low Water Springs	Mean Sea Level	Mean Tide Level
	Mean Water Level	Neap Tide	Nearly Highest High Water	Nearly Lowest Low Water
	No Information	Other	Spring Tide	

Hydrographic Depth : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
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allowed values: No Information

Hydrographic Depth : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
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<i>allowed values:</i>	Mathews Tables	No Information	<i>Not Applicable</i>			Other
	Sound Velocity Meter		Sounder 1500 Calibrated		Sounder 4800 Calibrated	Sounder Other Calibrated
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Hydrographic Depth : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
<i>allowed values:</i> False						
<i>allowed values:</i> True						
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: DredgedArea (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DredgedArea (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 DredgedArea (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 DredgedArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DredgedArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DredgedArea (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DredgedArea (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DredgedArea (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 DredgedArea (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 DredgedArea (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature **DriveInTheatre (Area)** New ☐ Drive-in Theatre

A place where motion pictures are shown while viewers remain in their vehicles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AK070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK070						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Amusement Hobbies and/or Leisure Activities Recreation Cinema Meeting Place Restroom Convenience Store No Information Emergency Operations Other						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original Historical Original No Information Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated						

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
Unmaintained						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: DriveInTheatre (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DriveInTheatre (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 DriveInTheatre (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 DriveInTheatre (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DriveInTheatre (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DriveInTheatre (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DriveInTheatre (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DriveInTheatre (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 DriveInTheatre (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 DriveInTheatre (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature DryDock (Area)

New ☐ Dry Dock

An artificial basin fitted with a gate or caisson into which vessels can be floated and the water pumped out to expose the bottom of the vessel.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB090	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB090						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Boulders No Information Rock Treated Timber			Concrete Other Rubble Wood			Masonry Prestressed Concrete Soil Metal Reinforced Concrete Steel

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Usable Length	1	-999999.0	REAL	metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
<i>allowed values:</i> -999999.0						
Usable Width	1	-999999.0	REAL	metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: DryDock (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 DryDock (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 DryDock (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 DryDock (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 DryDock (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 DryDock (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 DryDock (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 DryDock (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 DryDock (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 DryDock (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 DryDock (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 DryDock (Area) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup)

Feature ElectricPowerStation (Area)

New ☐ Electric Power Station

A facility including one or more buildings and equipment used for electric power generation. [Description] An electric power station consists of one or more power generating units, each consisting of the full set of equipment required to generate power and capable of independent operation. The power generating units are located on one or more contiguous or adjacent properties, are under the common control of the same entity and supply power through a common connection to the electric grid. Electric power stations most commonly are used to generate electricity for long distance transmission.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
	Electrical Power Generation Capacity	1	-999999.0	Real	Megawatt	0	The maximum electrical power generating capacity of a facility.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AD010	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AD010						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged No Information						
Destroyed Unmaintained						
Dismantled						
Power Source	3	No Information	Enumeration	Unitless	0	The energy source(s) employed to generate power for off-site distribution.
<i>allowed values:</i> Geothermal Other						
Hydro-electric Thermal						
No Information Tidal						
Nuclear						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick Metal Reinforced Concrete			Concrete No Information Steel			Iron Other Stone Masonry Prestressed Concrete Wood
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: ElectricPowerStation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ElectricPowerStation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ElectricPowerStation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ElectricPowerStation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ElectricPowerStation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ElectricPowerStation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ElectricPowerStation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ElectricPowerStation (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ElectricPowerStation (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ElectricPowerStation (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ElectricPowerStation (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ElectricPowerStation (Area) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup)

Feature ElectricPowerStation (Point)New ☐ Electric Power Station

A facility including one or more buildings and equipment used for electric power generation. [Description] An electric power station consists of one or more power generating units, each consisting of the full set of equipment required to generate power and capable of independent operation. The power generating units are located on one or more contiguous or adjacent properties, are under the common control of the same entity and supply power through a common connection to the electric grid. Electric power stations most commonly are used to generate electricity for long distance transmission.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Electrical Power Generation Capacity	1	-999999.0	Real	Megawatt	0	The maximum electrical power generating capacity of a facility.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AD010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD010						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Power Source	3	No Information	Enumeration	Unitless	0	The energy source(s) employed to generate power for off-site distribution.
<i>allowed values:</i>	Geothermal Other		Hydro-electric Thermal			No Information Tidal Nuclear
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> <div>Brick</div> <div>Metal</div> <div>Reinforced Concrete</div> <div>Concrete</div> <div>No Information</div> <div>Steel</div> <div>Iron</div> <div>Other</div> <div>Stone</div> <div>Masonry</div> <div>Prestressed Concrete</div> <div>Wood</div>						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: ElectricPowerStation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ElectricPowerStation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 ElectricPowerStation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 ElectricPowerStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ElectricPowerStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ElectricPowerStation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ElectricPowerStation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ElectricPowerStation (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ElectricPowerStation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ElectricPowerStation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ElectricPowerStation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ElectricPowerStation (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature **ElevationContour (Line)** New ☐ Elevation Contour

A line connecting points having the same elevation value relative to a vertical datum.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Elevation Surface Category	1	No Information	Enumeration	Unitless	0	The category of surface for which an elevation is determined.
<i>allowed values:</i> <div>Inland Water</div> <div>Tidal Water</div> <div>Land</div> <div>Vegetation</div> <div>No Information</div> <div>Snow Field and/or Ice-field</div>						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						

New	Feature Code	1	CA010	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> CA010						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Hypsography Portrayal Type	1	No Information	Enumeration	Unitless	0	The type of a hypsographic portrayal line (for example: a contour line) based on the topography represented and/or portrayal interval. [Description] A contour line is an imaginary line on the ground connecting an infinite number of points of equal elevation. The vertical measurement between two contour lines is called the contour interval. Contour lines are numbered to indicate the elevation value of the contour line.
	<i>allowed values:</i> Approximate Auxiliary Contour Approximate Index Contour Connector Line Form Line Intermediate Carrying Contour No Information						Approximate Depression Auxiliary Contour Approximate Intermediate Contour Depression Auxiliary Contour Half Auxiliary Contour Intermediate Contour Other
							Approximate Depression Index Contour Auxiliary Carrying Contour Depression Index Contour Index Carrying Contour Mound Index Contour Quarter Auxiliary Contour
							Approximate Depression Intermediate Contour Auxiliary Contour Depression Intermediate Contour Index Contour Mound Intermediate Contour Transition Line
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
	<i>allowed values:</i> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem

allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Relationships: ElevationContour (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ElevationContour (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 ElevationContour (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 ElevationContour (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ElevationContour (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ElevationContour (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ElevationContour (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ElevationContour (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ElevationContour (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ElevationContour (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ElevationContour (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ElevationContour (Line) - is a member of group - Exactly one - HypsographyCrv (FeatureGroup)

Feature Embankment (Area)

New ☐ Embankment

A man-made raised long mound of earth or other material.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
	Embankment Type	1	No Information	Enumeration	Unitless	0	The type of an embankment based on its use and/or relationship to the surrounding terrain.
	<i>allowed values:</i> Divider Mound			Dyke No Information			Fill Other Levee
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	DB090	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> DB090						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Grading Type	1	No Information	Enumeration	Unitless	0	The number of terrain feature sides on which either fill or cut material is exposed. [Description] For example, along two sides of a road that is both cut into the side of a hill and supported by fill on the downslope.
	<i>allowed values:</i> Many Sides Other			No Information Two Sides			No Sides One Side

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged No Information						
Destroyed Unmaintained						
Dismantled						
Predominant Feature Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Boulders Masonry Rubble			Concrete No Information Soil			Gravel Other Lava Rock
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aqueduct Other			Canal Pipeline			No Information Railway No Transportation System Road
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.

<i>allowed values:</i>	Always Dry	1	-999999.0	Always Submerged	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
	Covers and Uncovers			No Information			
Width				REAL			

allowed values: -999999.0

Relationships: Embankment (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Embankment (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Embankment (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Embankment (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Embankment (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Embankment (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Embankment (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Embankment (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Embankment (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Embankment (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature Embankment (Line) New ☐ Embankment

A man-made raised long mound of earth or other material.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other						
			Joint Military and Civilian Private			Military Public No Information
Embankment Type	1	No Information	Enumeration	Unitless	0	The type of an embankment based on its use and/or relationship to the surrounding terrain.
<i>allowed values:</i> Divider Mound						
			Dyke No Information			Fill Other Levee
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational						
			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	DB090	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB090						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Historical Original No Information Unverified Transliterated							
Historical Transliterated Other Variant Original							
Native Original Provisional Variant Transliterated							
	Grading Type	1	No Information	Enumeration	Unitless	0	The number of terrain feature sides on which either fill or cut material is exposed. [Description] For example, along two sides of a road that is both cut into the side of a hill and supported by fill on the downslope.
<u>allowed values:</u> Many Sides Other							
No Information Two Sides							
No Sides One Side							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.

<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Predominant Feature Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.

<i>allowed values:</i>	Boulders Masonry Rubble		Concrete No Information Soil		Gravel Other		Lava Rock
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.	
<i>allowed values:</i>	[-999999.0, -999999.0]						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.	
<i>allowed values:</i>	Aqueduct Other		Canal Pipeline		No Information Railway		No Transportation System Road
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	
<i>allowed values:</i>	noInformation						
<i>allowed values:</i>	pimGUID						
Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.	
<i>allowed values:</i>	Always Dry Covers and Uncovers		Always Submerged No Information		Awash at Chart Datum Other		Awash at Low Water Partly Submerged
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	
<i>allowed values:</i>	-999999.0						

Relationships: Embankment (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Embankment (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Embankment (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Embankment (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Embankment (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Embankment (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Embankment (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Embankment (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Embankment (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Embankment (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Embankment (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Embankment (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)

Feature EngineeredEarthwork (Area)

New ☐ Engineered Earthwork

An excavation and/or embankment created by remodeling the natural configuration of the terrain for the purpose of enhancing the defense of a site from armed attack. [Description] The earthwork may include ancillary elements (for example: a palisade) or reinforcements (for example: a concrete facing).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<u>allowed values:</u> -999999.0						
Engineered Earthwork Type	1	No Information	Enumeration	Unitless	0	The type of an excavation and/or embankment created for the purpose of enhancing the defense of a site from armed attack.
<u>allowed values:</u> Battery Other						
Military Parapet Rampart						
Military Trench Redoubt						
No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Partially Operational						
Non-operational Planned						
Not in Operation Temporarily Non-operational						
Operational						
New Feature Code	1	AH025	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AH025						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information						
Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original						
Historical Original No Information Unverified Transliterated						
Historical Transliterated Other Variant Original						
Native Original Provisional Variant Transliterated						
Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.

allowed values:	Bomb Shelter Storm Shelter		Fallout Shelter		No Information	Other
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values:	-999999.0					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
allowed values:	Air Force Marines		Army Navy		Coastguard No Information	Joint Other
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values:	False		No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
allowed values:	Construction Intact		Damaged No Information		Destroyed Unmaintained	Dismantled
Predominant Feature Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
allowed values:	[-999999.0, -999999.0]					
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
allowed values:	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values:	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
allowed values:	noInformation					

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: EngineeredEarthwork (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 EngineeredEarthwork (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 EngineeredEarthwork (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 EngineeredEarthwork (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 EngineeredEarthwork (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 EngineeredEarthwork (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 EngineeredEarthwork (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 EngineeredEarthwork (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 EngineeredEarthwork (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 EngineeredEarthwork (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature EngineeredEarthwork (Line)

New ☐ Engineered Earthwork

An excavation and/or embankment created by remolding the natural configuration of the terrain for the purpose of enhancing the defense of a site from armed attack.

[Description] The earthwork may include ancillary elements (for example: a palisade) or reinforcements (for example: a concrete facing).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
Engineered Earthwork Type	1	No Information	Enumeration	Unitless	0	The type of an excavation and/or embankment created for the purpose of enhancing the defense of a site from armed attack.
<i>allowed values:</i> Battery Other			Military Parapet Rampart			Military Trench Redoubt No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AH025	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AH025						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Air Force Marines			Army Navy			Coastguard No Information Joint Other
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Predominant Feature Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i> [-999999.0, -999999.0]						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: EngineeredEarthwork (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 EngineeredEarthwork (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 EngineeredEarthwork (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 EngineeredEarthwork (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 EngineeredEarthwork (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 EngineeredEarthwork (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 EngineeredEarthwork (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 EngineeredEarthwork (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 EngineeredEarthwork (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 EngineeredEarthwork (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 EngineeredEarthwork (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 EngineeredEarthwork (Line) - is a member of group - Exactly one - MilitaryCrv (FeatureGroup)

Feature EngineeredTurnaroundSite (Point)

New ☒ Engineered Turnaround Site

A shaped area at the terminus of a local street that provides sufficient turning space allowing incoming traffic to turn around and exit without performing a stop-and-change-direction manoeuvre. [Description] The site is intended to slow down and control the flow of vehicular traffic leaving the main avenue. Construction is typically in the form of a defined shape (for example: circle, loop, or crescent). Access to the shaped turnaround site is provided through a single inlet passageway and along a short, connecting street. Traffic flow proceeds continuously around the turnaround site (in whatever shape and degree of utility). Egress is provided back along the same short, connecting street through a single outlet. The single inlet and single outlet are the same passageways. A median-like structure may exist in the center of the turnaround site, thus ensuring a well-defined pattern of vehicle movement. In residential areas the turnaround site often has multiple adjoining properties, each of which may have a separate driveway and/or defined parking area along the perimeter of the shaped area.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	Real	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AP033	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP033						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Median Present	1	No Information	Boolean	Unitless	0	An indication that the lanes or tracks of a divided land transportation route (for example: a road or a railway) are separated by a vertical median barrier. [Description] Often used to separate opposing flows of traffic in order to improve safety. For example, may be a substantial concrete barrier of approximately 1 metre height.
	<i>allowed values:</i> False			No Information		True	
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<i>allowed values:</i> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information			Other			
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
	<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.
<i>allowed values:</i> All-weather No Information			Closed in Winter Other			Fair-weather Winter Only Limited All-weather
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
<i>allowed values:</i> Aggregate Brick Flexible Pavement No Information Stabilized Earth			Asphalt Cobble-stone Ice Other Unimproved			Asphalt over Concrete Concrete Macadam Rigid Pavement Wood Bound Surface Corduroy Metal Snow Wood Plank
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> No Information			noInformation			
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: EngineeredTurnaroundSite (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 EngineeredTurnaroundSite (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 EngineeredTurnaroundSite (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 EngineeredTurnaroundSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 EngineeredTurnaroundSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 EngineeredTurnaroundSite (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 EngineeredTurnaroundSite (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 EngineeredTurnaroundSite (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 EngineeredTurnaroundSite (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature EngineTestCell (Area) New ☐ Engine Test Cell

A structure wherein aircraft or rocket engines are tested. [Description] The most common test cells are used for testing the performance characteristics of jet engines and are typically located at military aerodromes or aerospace research and development facilities. Test cells for liquid-fueled rocket booster engines are unique, massive structures (for example: the test cell located at Stennis Space Flight Center in the U.S.).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Engine Test Cell Type	1	No Information	Enumeration	Unitless	0	The type of an engine test cell based on the purpose for which it was designed.
<u>allowed values:</u> Jet Engine Dismounted Rocket Engine Horizontal			Jet Engine Mounted Rocket Engine Upright			No Information Other
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF060	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AF060						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

<u>allowed values:</u> <i>noInformation</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Other			
			Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> <i>-999999.0</i>						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> <i>-999999.0</i>						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> <i>-999999.0</i>						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<u>allowed values:</u> At Shoreline			Inland	No Information		
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> <i>False</i>			No Information			<i>True</i>
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.

<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer	
<i>allowed values:</i> noInformation							
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.	
<i>allowed values:</i> noInformation							
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	
<i>allowed values:</i> noInformation							
<i>allowed values:</i> pimGUID							
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.	

allowed values: *noInformation*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: EngineTestCell (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 EngineTestCell (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 EngineTestCell (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 EngineTestCell (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 EngineTestCell (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 EngineTestCell (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 EngineTestCell (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 EngineTestCell (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 EngineTestCell (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 EngineTestCell (Area) - is a member of group - Exactly one - StructureSrf (FeatureGroup)

Feature EngineTestCell (Point)New ☐ Engine Test Cell

A structure wherein aircraft or rocket engines are tested. [Description] The most common test cells are used for testing the performance characteristics of jet engines and are typically located at military aerodromes or aerospace research and development facilities. Test cells for liquid-fueled rocket booster engines are unique, massive structures (for example: the test cell located at Stennis Space Flight Center in the U.S.).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> <i>False</i>			<i>No Information</i>			<i>True</i>
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> <i>[-999999, -999999]</i>						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Engine Test Cell Type	1	No Information	Enumeration	Unitless	0	The type of an engine test cell based on the purpose for which it was designed.
<u>allowed values:</u> Jet Engine Dismounted Rocket Engine Horizontal			Jet Engine Mounted Rocket Engine Upright			No Information Other
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

		<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AF060	CONSTRAINED_ STRING	Unitless	5	Feature Code
		<i>allowed values:</i> AF060					
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
		<i>allowed values:</i> noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
		<i>allowed values:</i> No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
		<i>allowed values:</i> No Information					
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
		<i>allowed values:</i> Conventional Native Transliterated Unverified Original					
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
		<i>allowed values:</i> -999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
		<i>allowed values:</i> -999999.0					
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
		<i>allowed values:</i> -999999.0					
	Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
		<i>allowed values:</i> At Shoreline					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
		<i>allowed values:</i> No Information					
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged No Information						
Destroyed Unmaintained						
Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques))' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques))' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: EngineTestCell (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 EngineTestCell (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 EngineTestCell (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 EngineTestCell (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 EngineTestCell (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 EngineTestCell (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 EngineTestCell (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 EngineTestCell (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 EngineTestCell (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 EngineTestCell (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 EngineTestCell (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 EngineTestCell (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature EntityCollectionMetadata (Area)New ☒ Entity Collection Metadata

A modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] For example, the currency of the information known about an entity collection or the degree to which the properties of an entity collection are accurately and/or completely determined. An entity collection consists of instances of one or more modeling entities that were selected according to a common rationale (for example: based on a theme or spatial region).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Absolute Horizontal Accuracy (90%)	1	-999999.0	REAL	metre	0	Either the difference between the recorded horizontal coordinate value(s) of a feature and its true position referenced to the same geodetic datum expressed as a linear error at 90 percent probability for a single coordinate value, or a circular error at 90 percent probability for a pair of coordinate values, or the reason that the value is absent. [Description] The domain of values is a real number. For example, 10.0 (as in the accuracy in metres).
<i>allowed values:</i> -999999.0						
Absolute Vertical Accuracy (90%)	1	-999999.0	REAL	metre	0	The difference between the recorded elevation of a feature and its true elevation referenced to the same vertical datum expressed as a linear error at 90 percent probability.
<i>allowed values:</i> -999999.0						
Data Quality Statement	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records a general assessment of the quality of a resource (for example: a data instance, a data set or a data processing activity). [Description] The quality of a data resource is dependent on the data providers knowledge regarding the lineage of the data and the processes that have been used to transform that data. No restriction is placed on the length of the statement.

allowed values: No Information

	Elevation Vertical Accuracy (90%)	1	-999999.0	REAL	metre	0	Either the difference between a recorded elevation value and the true elevation referenced to the same vertical datum, expressed as a linear error at 90 percent probability, or the reason that the value is absent. [Description] The domain of values is a real number. For example, 10.0 (as in the accuracy in metres).
	<i>allowed values:</i> -999999.0						
	Equivalent Scale	1	-999999	Integer	Unitless	0	The denominator (for example: 50,000) of the map scale that best represents the density of feature collection within the geospatial extent of a specified region.
	<i>allowed values:</i> -999999						
New	Feature Code	1	ZI039	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> ZI039						
	Height Vertical Accuracy (90%)	1	-999999.0	REAL	metre	0	Either the difference between a recorded height value and the true height referenced to the same ground level, expressed as a linear error at 90 percent probability, or the reason that the value is absent. [Description] The domain of values is a real number. For example, 10.0 (as in the accuracy in metres).
	<i>allowed values:</i> -999999.0						
	Maintenance Date and Time	1	noInformation	StructuredText	Unitless	20	The date and, optionally, time that maintenance, based on a given Extraction Specification, was completed for the features falling within the geospatial extent of a specified region. [Description] Midnight is understood to be 00:00:00 (the beginning of a day); when the time is not specified then midnight in the local time zone is typically implied. [DatatypeSpecification] A structured text value specifying a date-time. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.4.1, Combinations of date and time of day - Complete representation - Extended format, a calendar date and time representation, as a single data element comprising up to twenty characters, where [YYYY] represents a calendar year, [MM] the ordinal number of a calendar month within the calendar year, [DD] the ordinal number of a day within the calendar month, [hh] the ordinal number of an hour within the calendar day, [mm] the ordinal number of a minute within the hour, [ss] the ordinal number of a second within the minute, and an optional 'Z' when the time is according to Coordinated Universal Time (UTC), as 'YYYY-MM-DDThh:mm:ssZ' (for example: '1985-04-12T11:45:20Z' for 11 hours, 45 minutes and 20 seconds UTC on 12 April 1985). Representations with reduced precision may be used in accordance with 5.4.2 (for example: '1985-04-12' for 12 April 1985). Representations consistently using basic format (eliminating the hyphen '-' and the colon ':') may be used in accordance with 5.4.1 (for example: '19850412T114520Z').
	<i>allowed values:</i> noInformation						
	Process Step Information : Process Step Description	1	No Information	String	Unitless	2E+09	A narrative or other textual description of a process step, including related processing parameters and/or tolerances. [Description] A process step is an event or transformation in the life of a dataset that is used to define, review and/or update the digital representation of a feature and/or attribute. No restriction is placed on the length of the description.
	<i>allowed values:</i> No Information						
	Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information			Other			
New	Schema Version	1	noInformation	StructuredText	Unitless	254	Identifies the version of the schema used at the time of data collection.
	<i>allowed values:</i> noInformation						
New	Source Information : Source Date and Time	1	noInformation	StructuredText	Unitless	20	The date and, optionally, time of collection of the data set that was used to define the digital representation of the feature or data set. [Description] Midnight is understood to be 00:00:00 (the beginning of a day); when the time is not specified then midnight in the local time zone is typically implied. [DatatypeSpecification] A structured text value specifying a date-time. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.4.1, Combinations of date and time of day - Complete representation - Extended format, a calendar date and time representation, as a single data element comprising up to twenty characters, where [YYYY] represents a calendar year, [MM] the ordinal number of a calendar month within the calendar year, [DD] the ordinal number of a day within the calendar month, [hh] the ordinal number of an hour within the calendar day, [mm] the ordinal number of a minute within the hour, [ss] the ordinal number of a second within the minute, and an optional 'Z' when the time is according to Coordinated Universal Time (UTC), as 'YYYY-MM-DDThh:mm:ssZ' (for example: '1985-04-12T11:45:20Z' for 11 hours, 45 minutes and 20 seconds UTC on 12 April 1985). Representations with reduced precision may be used in accordance with 5.4.2 (for example: '1985-04-12' for 12 April 1985). Representations consistently using basic format (eliminating the hyphen '-' and the colon ':') may be used in accordance with 5.4.1 (for example: '19850412T114520Z').
	<i>allowed values:</i> noInformation						
	Source Information : Source Description	1	No Information	String	Unitless	2E+09	A description of the data set that was used to define the digital representation of the feature or data set. [Description] No restriction is placed on the length of the description.
	<i>allowed values:</i> No Information						

New	Source Information : Source Type	1	No Information	CodeList	Unitless	30	The type(s) of the data set(s) that were used to define the digital representation of the feature or data set. [Description] For example, based on a data product specification. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/SourceTypeCode
<u>allowed values:</u> No Information Other							
New	Source Information : Spatial Source	1	No Information	Boolean	Unitless	0	An indication that the source data set was used to define the digital representation of the horizontal and possible vertical coordinate values of the resulting feature or data set.
<u>allowed values:</u> False No Information True							
	Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation							
	Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<u>allowed values:</u> noInformation							
	Source Information : Vertical Source Category	1	No Information	CodeList	Unitless	30	The type of dataset and associated process that was used to define the digital representation of the vertical coordinate values of the feature or data set. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/VerticalSourceTypeCode
<u>allowed values:</u> No Information Other							
	Source Information : Vertical Source Date and Time	1	noInformation	StructuredText	Unitless	20	The date and, optionally, time of collection of the data that was used to define the digital representation of the vertical coordinate values of the digital feature or data set. [Description] Midnight is understood to be 00:00:00 (the beginning of a day); when the time is not specified then midnight in the local time zone is typically implied. [DatatypeSpecification] A structured text value specifying a date-time. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.4.1, Combinations of date and time of day - Complete representation - Extended format, a calendar date and time representation, as a single data element comprising up to twenty characters, where [YYYY] represents a calendar year, [MM] the ordinal number of a calendar month within the calendar year, [DD] the ordinal number of a day within the calendar month, [hh] the ordinal number of an hour within the calendar day, [mm] the ordinal number of a minute within the hour, [ss] the ordinal number of a second within the minute, and an optional 'Z' when the time is according to Coordinated Universal Time (UTC), as 'YYYY-MM-DDThh:mm:ssZ' (for example: '1985-04-12T11:45:20Z' for 11 hours, 45 minutes and 20 seconds UTC on 12 April 1985). Representations with reduced precision may be used in accordance with 5.4.2 (for example: '1985-04-12' for 12 April 1985). Representations consistently using basic format (eliminating the hyphen '-' and the colon ':') may be used in accordance with 5.4.1 (for example: '19850412T114520Z').
<u>allowed values:</u> noInformation							
	Source Information : Vertical Source Description	1	No Information	String	Unitless	2E+09	A description of the data that was used to define the digital representation of the vertical coordinate values of the digital feature or data set.
<u>allowed values:</u> No Information							

Relationships: EntityCollectionMetadata (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 EntityCollectionMetadata (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 EntityCollectionMetadata (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 EntityCollectionMetadata (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 EntityCollectionMetadata (Area) - is a member of group - Exactly one - MetadataSrf (FeatureGroup)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PipelineCrossingPoint (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - StormDrain (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - StreetLamp (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - StreetSign (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ContaminatedRegion (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ContaminatedRegion (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AdministrativeDivision (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AerationBasin (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AerialFarm (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AerialFarm (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AquaticVegetation (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AquaticVegetation (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AstronomicalObservatory (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AstronomicalObservatory (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Billboard (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Borehole (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Brush (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MaritimeCautionArea (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ConservationArea (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CoolingFacility (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CoolingFacility (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ManorHouse (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ManorHouse (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CulturalContextLocation (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CulturalContextLocation (Point)
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 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - DredgedArea (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ForestClearing (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FuelStorageFacility (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FuelStorageFacility (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - GeopoliticalEntity (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Grove (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Grove (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - IceCap (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - IceRoute (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - IndustrialFarm (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - IndustrialFarm (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - IndustrialFurnace (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - IndustrialFurnace (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Installation (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Installation (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MaritimeRadiobeacon (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MineShaftSuperstructure (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MineShaftSuperstructure (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MunitionStorageFacility (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MunitionStorageFacility (Point)
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 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - NonBuildingStructure (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - NuclearReactorContainment (Area)

EntityCollectionMetadata (Area) - provides metadata for - Zero or more - NuclearReactorContainment (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - OfficePark (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - OffshoreConstruction (Area)
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 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Port (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Port (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RailwaySignal (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RetailStand (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Scoreboard (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ShoppingComplex (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ShorelineRamp (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ShorelineRamp (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SolarFarm (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SolarFarm (Point)
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 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Tomb (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Tomb (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TunnelMouth (Point)
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 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - DefensiveRevetment (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AircraftHangar (Area)
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 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Apron (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Amphitheatre (Area)
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 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AmusementPark (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AmusementParkAttraction (Area)
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 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AmusementParkAttraction (Point)
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 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Anchorage (Point)
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 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Aqueduct (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Aqueduct (Line)
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EntityCollectionMetadata (Area) - provides metadata for - Zero or more - BridgeTower (Point)
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EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Building (Area)
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EntityCollectionMetadata (Area) - provides metadata for - Zero or more - BuildingSuperstructure (Area)
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EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Esker (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ExcavatingMachine (Line)
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EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Fairground (Area)

EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Fence (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FerryCrossing (Line)
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EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Forest (Area)
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EntityCollectionMetadata (Area) - provides metadata for - Zero or more - HardenedAircraftShelter (Area)
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EntityCollectionMetadata (Area) - provides metadata for - Zero or more - HeatingFacility (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - HeatingFacility (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Hedgerow (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Helipad (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Helipad (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Heliport (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Heliport (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - HopField (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Hopper (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Hulk (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Hummock (Area)

EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Hut (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Hut (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Lock (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Lock (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Lock (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - IceCliff (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - IcePeak (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - IceShelf (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - InterestSite (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - InterestSite (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - InternationalDateLine (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Ditch (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Ditch (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Island (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Island (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Lagoon (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LandSubjectToInundation (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LandWaterBoundary (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LandslideMass (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LaunchPad (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LaunchPad (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LightSupportStructure (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Lighthouse (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Lighthouse (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LightVessel (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LiquidDiffuser (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - HoldingPen (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - HoldingPen (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LoggingSite (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LocalMagneticAnomaly (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ClearedWay (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ClearedWay (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - UtilityCover (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FoulGround (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FoulGround (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Gridiron (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LightSector (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MaritimeLimit (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MeasuredDistanceLine (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MaritimeNavigationMarker (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MaritimeRoute (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MaritimeRoute (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Wreck (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Wreck (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Marsh (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MilitaryInstallation (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MilitaryInstallation (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Minefield (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MineralPile (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MineralPile (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MissileSite (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MissileSite (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Moat (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Moat (Line)

EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ManufacturedHomePark (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Dolphin (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MooringMast (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Moraine (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MountainPass (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - NamedLocation (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - NamedLocation (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - NamedLocation (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Buoy (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MaritimeNavigationLight (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Oasis (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Oasis (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - OverheadObstruction (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - OverheadObstruction (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PackIce (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PackIce (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Park (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ParkingGarage (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ParkingGarage (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ParticleAccelerator (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ParticleAccelerator (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ParticleAccelerator (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Penstock (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - HydrocarbonProdFacility (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - HydrocarbonProdFacility (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - HydrocarbonsField (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - HydrocarbonsField (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TankFarm (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TankFarm (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PicnicSite (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Pipeline (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PlantNursery (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PolarIce (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ElectricPowerStation (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ElectricPowerStation (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PowerSubstation (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PowerSubstation (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PreparedWatercourseCross (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PublicSquare (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PublicSquare (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PumpingStation (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PumpingStation (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Pylon (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Racetrack (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Racetrack (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RadarStation (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RadarStation (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MaritimeRadarRefLine (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RailwaySidetrack (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RailwayTurntable (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RailwayTurntable (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RailwayYard (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RailwayYard (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Ramp (Area)

EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Ramp (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Rapids (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Rapids (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Rapids (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Reef (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Reef (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RiceField (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Rig (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Rig (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - River (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - River (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - GaugingStation (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - VanishingPoint (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Road (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Road (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RoadInterchange (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RoadsideRestArea (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RoadsideRestArea (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RockFormation (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RockFormation (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Roundhouse (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Roundhouse (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Ruins (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Ruins (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Runway (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Stopway (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SaltEvaporator (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SaltEvaporator (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SaltFlat (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SandDunes (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Lookout (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Lookout (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RecyclingSite (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SeaplaneRun (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Sabkha (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Settlement (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Settlement (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SettlingPond (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ShantyTown (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ShantyTown (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SharpCurve (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ShearWall (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Shed (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Shed (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Shipyard (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Shipyard (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Shoreline (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ShorelineConstruction (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ShorelineConstruction (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - BeachLandingSite (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - BeachLandingSite (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Sidewalk (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SkiJump (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SkiJump (Point)

EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SlopeRegion (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SluiceGate (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SluiceGate (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SmallCraftFacility (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SmallCraftFacility (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Snag (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Snag (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SolarPanel (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SolarPanel (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Sounding (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Spillway (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Spillway (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SpotElevation (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Stadium (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Stadium (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Stair (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Stair (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - InsubstantialNavMark (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SteepGrade (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SurfaceBunker (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SurfaceBunker (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ShippingContainer (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ShippingContainer (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - StorageDepot (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - StorageDepot (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - StorageTank (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - StorageTank (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - StructuralPile (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - StructuralPile (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - HazardousRock (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - GeodeticPoint (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Swamp (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SweptArea (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SwimmingPool (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SwimmingPool (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Orchard (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Orchard (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Taxiway (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Taxiway (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Cableway (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Crater (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Crater (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Cut (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Depression (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Depression (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TestSite (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TidalStreamObserveStation (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Tower (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Tower (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TrafficSeparationScheme (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TrafficSeparationScheme (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TrafficSeparationScheme (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Trail (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TrainingSite (Area)

EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TrainingSite (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TransportationBlock (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TransportationBlock (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TransportationStation (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TransportationStation (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Tree (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Tundra (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Tunnel (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Tunnel (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - UndergroundBunker (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - UndergroundBunker (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - UndergroundDwelling (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - VehicleBarrier (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - VehicleBarrier (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - VehicleLot (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Berth (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Vineyard (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Vineyard (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - VoidCollectionArea (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - VolcanicDyke (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Volcano (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Volcano (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Wall (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterbodyDivider (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TidalWater (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterIntakeTower (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterIntakeTower (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterTower (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterTower (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterTreatmentBed (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterTurbulence (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterTurbulence (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterTurbulence (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Waterfall (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Waterfall (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - NaturalPool (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - NaturalPool (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FiringRange (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FiringRange (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WindTurbine (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Windmill (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Windmill (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Cane (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FireHydrant (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AntiAircraftArtillerySite (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AntiAircraftArtillerySite (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MaritimeSignalStation (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LandParcel (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Crevice (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Crevice (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Embankment (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Embankment (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SkiRun (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SkiRun (Line)

EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CaravanPark (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AerodromeBeacon (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - BasinGate (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - BasinGate (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CastleComplex (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CastleComplex (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CausewayStructure (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CausewayStructure (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CutLine (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - EngineeredEarthwork (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - EngineeredEarthwork (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FishFarmFacility (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FishFarmFacility (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FloodControlStructure (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FloodControlStructure (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FloodControlStructure (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FortifiedBuilding (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - FortifiedBuilding (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - InlandWaterbody (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - InlandWaterbody (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LandAerodrome (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LandAerodrome (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MaricultureSite (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MemorialMonument (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MemorialMonument (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MemorialMonument (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - QanatShaft (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Railway (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SewageTreatmentPlant (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SewageTreatmentPlant (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ShipElevator (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ShipElevator (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - ShipElevator (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TransRouteCharacterChange (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TransRouteCharacterChange (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TransRouteProtectStruct (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TransRouteProtectStruct (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TransRouteProtectStruct (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterAerodrome (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterAerodrome (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterRace (Line)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MaritimeNavLightSupport (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CaveChamber (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CaveMouth (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - NonWaterWell (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterMeasurementLocation (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterMeasurementLocation (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AeroRadioNavInstallation (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterMovementDataLocation (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SnowIceField (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LandingZone (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - LandingZone (Point)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - HarbourWaters (Area)
EntityCollectionMetadata (Area) - provides metadata for - Zero or more - MilitaryBoundary (Line)

EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TrafficLight (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - InstallationBoundary (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TankTrail (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TankTrail (Line)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TankCrossing (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - TankCrossing (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - EngineeredTurnaroundSite (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CantonmentArea (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WasteHeap (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WasteHeap (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Pump (Point)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - AqueductAON (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CanalAON (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - CisternAON (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - DitchAON (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - InlandWaterbodyAON (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - NaturalPoolAON (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PipelineAON (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - PumpingStationAON (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - RiverAON (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SabkhaAON (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - StorageTankAON (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SwimmingPoolAON (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - WaterWellAON (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - Aquifer (Area)
 EntityCollectionMetadata (Area) - provides metadata for - Zero or more - SurveyPoint (Point)

Feature EntityCollectionMetadata (Table)

New ☒ Entity Collection Metadata

A modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] For example, the currency of the information known about an entity collection or the degree to which the properties of an entity collection are accurately and/or completely determined. An entity collection consists of instances of one or more modeling entities that were selected according to a common rationale (for example: based on a theme or spatial region).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Absolute Horizontal Accuracy (90%)	1	-999999.0	REAL	metre	0	Either the difference between the recorded horizontal coordinate value(s) of a feature and its true position referenced to the same geodetic datum expressed as a linear error at 90 percent probability for a single coordinate value, or a circular error at 90 percent probability for a pair of coordinate values, or the reason that the value is absent. [Description] The domain of values is a real number. For example, 10.0 (as in the accuracy in metres).
<i>allowed values:</i> -999999.0						
Absolute Vertical Accuracy (90%)	1	-999999.0	REAL	metre	0	The difference between the recorded elevation of a feature and its true elevation referenced to the same vertical datum expressed as a linear error at 90 percent probability.
<i>allowed values:</i> -999999.0						
Data Quality Statement	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records a general assessment of the quality of a resource (for example: a data instance, a data set or a data processing activity). [Description] The quality of a data resource is dependent on the data providers knowledge regarding the lineage of the data and the processes that have been used to transform that data. No restriction is placed on the length of the statement.
<i>allowed values:</i> No Information						
Elevation Vertical Accuracy (90%)	1	-999999.0	REAL	metre	0	Either the difference between a recorded elevation value and the true elevation referenced to the same vertical datum, expressed as a linear error at 90 percent probability, or the reason that the value is absent. [Description] The domain of values is a real number. For example, 10.0 (as in the accuracy in metres).
<i>allowed values:</i> -999999.0						
Equivalent Scale	1	-999999	Integer	Unitless	0	The denominator (for example: 50,000) of the map scale that best represents the density of feature collection within the geospatial extent of a specified region.
<i>allowed values:</i> -999999						

New	Feature Code	1	ZI039	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> ZI039						
	Height Vertical Accuracy (90%)	1	-999999.0	REAL	metre	0	Either the difference between a recorded height value and the true height referenced to the same ground level, expressed as a linear error at 90 percent probability, or the reason that the value is absent. [Description] The domain of values is a real number. For example, 10.0 (as in the accuracy in metres).
	<i>allowed values:</i> -999999.0						
	Maintenance Date and Time	1	noInformation	StructuredText	Unitless	20	The date and, optionally, time that maintenance, based on a given Extraction Specification, was completed for the features falling within the geospatial extent of a specified region. [Description] Midnight is understood to be 00:00:00 (the beginning of a day); when the time is not specified then midnight in the local time zone is typically implied. [DatatypeSpecification] A structured text value specifying a date-time. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.4.1, Combinations of date and time of day - Complete representation - Extended format, a calendar date and time representation, as a single data element comprising up to twenty characters, where [YYYY] represents a calendar year, [MM] the ordinal number of a calendar month within the calendar year, [DD] the ordinal number of a day within the calendar month, [hh] the ordinal number of an hour within the calendar day, [mm] the ordinal number of a minute within the hour, [ss] the ordinal number of a second within the minute, and an optional 'Z' when the time is according to Coordinated Universal Time (UTC), as 'YYYY-MM-DDThh:mm:ssZ' (for example: '1985-04-12T11:45:20Z' for 11 hours, 45 minutes and 20 seconds UTC on 12 April 1985). Representations with reduced precision may be used in accordance with 5.4.2 (for example: '1985-04-12' for 12 April 1985). Representations consistently using basic format (eliminating the hyphen '-' and the colon ':') may be used in accordance with 5.4.1 (for example: '19850412T114520Z').
	<i>allowed values:</i> noInformation						
	Process Step Information : Process Step Description	1	No Information	String	Unitless	2E+09	A narrative or other textual description of a process step, including related processing parameters and/or tolerances. [Description] A process step is an event or transformation in the life of a dataset that is used to define, review and/or update the digital representation of a feature and/or attribute. No restriction is placed on the length of the description.
	<i>allowed values:</i> No Information						
	Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information			Other			
New	Schema Version	1	noInformation	StructuredText	Unitless	254	Identifies the version of the schema used at the time of data collection.
	<i>allowed values:</i> noInformation						
New	Source Information : Source Date and Time	1	noInformation	StructuredText	Unitless	20	The date and, optionally, time of collection of the data set that was used to define the digital representation of the feature or data set. [Description] Midnight is understood to be 00:00:00 (the beginning of a day); when the time is not specified then midnight in the local time zone is typically implied. [DatatypeSpecification] A structured text value specifying a date-time. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.4.1, Combinations of date and time of day - Complete representation - Extended format, a calendar date and time representation, as a single data element comprising up to twenty characters, where [YYYY] represents a calendar year, [MM] the ordinal number of a calendar month within the calendar year, [DD] the ordinal number of a day within the calendar month, [hh] the ordinal number of an hour within the calendar day, [mm] the ordinal number of a minute within the hour, [ss] the ordinal number of a second within the minute, and an optional 'Z' when the time is according to Coordinated Universal Time (UTC), as 'YYYY-MM-DDThh:mm:ssZ' (for example: '1985-04-12T11:45:20Z' for 11 hours, 45 minutes and 20 seconds UTC on 12 April 1985). Representations with reduced precision may be used in accordance with 5.4.2 (for example: '1985-04-12' for 12 April 1985). Representations consistently using basic format (eliminating the hyphen '-' and the colon ':') may be used in accordance with 5.4.1 (for example: '19850412T114520Z').
	<i>allowed values:</i> noInformation						
	Source Information : Source Description	1	No Information	String	Unitless	2E+09	A description of the data set that was used to define the digital representation of the feature or data set. [Description] No restriction is placed on the length of the description.
	<i>allowed values:</i> No Information						
New	Source Information : Source Type	1	No Information	CodeList	Unitless	30	The type(s) of the data set(s) that were used to define the digital representation of the feature or data set. [Description] For example, based on a data product specification. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/SourceTypeCode
	<i>allowed values:</i> No Information			Other			
New	Source Information : Spatial Source	1	No Information	Boolean	Unitless	0	An indication that the source data set was used to define the digital representation of the horizontal and possible vertical coordinate values of the resulting feature or data set.
	<i>allowed values:</i> False			No Information			True

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
Source Information : Vertical Source Category	1	No Information	CodeList	Unitless	30	The type of dataset and associated process that was used to define the digital representation of the vertical coordinate values of the feature or data set. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/VerticalSourceTypeCode
<i>allowed values:</i> No Information Other						
Source Information : Vertical Source Date and Time	1	noInformation	StructuredText	Unitless	20	The date and, optionally, time of collection of the data that was used to define the digital representation of the vertical coordinate values of the digital feature or data set. [Description] Midnight is understood to be 00:00:00 (the beginning of a day); when the time is not specified then midnight in the local time zone is typically implied. [DatatypeSpecification] A structured text value specifying a date-time. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.4.1, Combinations of date and time of day - Complete representation - Extended format, a calendar date and time representation, as a single data element comprising up to twenty characters, where [YYYY] represents a calendar year, [MM] the ordinal number of a calendar month within the calendar year, [DD] the ordinal number of a day within the calendar month, [hh] the ordinal number of an hour within the calendar day, [mm] the ordinal number of a minute within the hour, [ss] the ordinal number of a second within the minute, and an optional 'Z' when the time is according to Coordinated Universal Time (UTC), as 'YYYY-MM-DDThh:mm:ssZ' (for example: '1985-04-12T11:45:20Z' for 11 hours, 45 minutes and 20 seconds UTC on 12 April 1985). Representations with reduced precision may be used in accordance with 5.4.2 (for example: '1985-04-12' for 12 April 1985). Representations consistently using basic format (eliminating the hyphen '-' and the colon ':') may be used in accordance with 5.4.1 (for example: '19850412T114520Z').
<i>allowed values:</i> noInformation						
Source Information : Vertical Source Description	1	No Information	String	Unitless	2E+09	A description of the data that was used to define the digital representation of the vertical coordinate values of the digital feature or data set.
<i>allowed values:</i> No Information						

Relationships:	EntityCollectionMetadata (Table)	- is a member of configuration level - Exactly one - GGDM_Global (Feature)
	EntityCollectionMetadata (Table)	- is a member of configuration level - Exactly one - GGDM_Regional (Feature)
	EntityCollectionMetadata (Table)	- is a member of configuration level - Exactly one - GGDM_Local (Feature)
	EntityCollectionMetadata (Table)	- is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
	EntityCollectionMetadata (Table)	- is a member of group - Exactly one - MetadataTbl (FeatureGroup)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - PipelineCrossingPoint (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - StormDrain (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - StreetLamp (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - StreetSign (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ContaminatedRegion (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ContaminatedRegion (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AdministrativeDivision (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AerationBasin (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AerialFarm (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AerialFarm (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AquaticVegetation (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AquaticVegetation (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AstronomicalObservatory (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AstronomicalObservatory (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Billboard (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Borehole (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Brush (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MaritimeCautionArea (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ConservationArea (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CoolingFacility (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CoolingFacility (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ManorHouse (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ManorHouse (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CulturalContextLocation (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CulturalContextLocation (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Desert (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DredgedArea (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ForestClearing (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FuelStorageFacility (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FuelStorageFacility (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - GeopoliticalEntity (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Grove (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Grove (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - IceCap (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - IceRoute (Line)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - IndustrialFarm (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - IndustrialFarm (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - IndustrialFurnace (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - IndustrialFurnace (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Installation (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Installation (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MaritimeRadiobeacon (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MineShaftSuperstructure (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MineShaftSuperstructure (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MunitionStorageFacility (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MunitionStorageFacility (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - NonBuildingStructure (Area)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - NonBuildingStructure (Point)
	EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - NuclearReactorContainment (Area)

EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - NuclearReactorContainment (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - OfficePark (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - OffshoreConstruction (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - OffshoreConstruction (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Port (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Port (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - RailwaySignal (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - RetailStand (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Scoreboard (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ShoppingComplex (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ShorelineRamp (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ShorelineRamp (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SolarFarm (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SolarFarm (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SpaceFacility (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SpaceFacility (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Stable (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Stable (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TetheredBalloon (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Tomb (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Tomb (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TunnelMouth (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterMill (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterMill (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterWell (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterWell (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Waterwork (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Waterwork (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WindFarm (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WindFarm (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AdministrativeBoundary (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DefensiveRevetment (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AircraftHangar (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AircraftHangar (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Apron (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Amphitheatre (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Amphitheatre (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AmusementPark (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AmusementPark (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AmusementParkAttraction (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AmusementParkAttraction (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AmusementParkAttraction (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Anchor (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Anchorage (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Anchorage (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Zoo (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Zoo (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Aerial (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Aqueduct (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Aqueduct (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Arcade (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Arcade (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ArcheologicalSite (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ArcheologicalSite (Point)

EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AsphaltLake (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SportsGround (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SportsGround (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MotorVehicleStation (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MotorVehicleStation (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Barn (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Barn (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Beach (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BeachProfile (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MaritimeNavigationBeacon (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Benchmark (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BlastFurnace (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BlastFurnace (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - VesselLift (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Bog (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BotanicGarden (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BottomCharacterRegion (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BottomCharacterRegion (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BoundaryMonument (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Bridge (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Bridge (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Bridge (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BridgePier (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BridgePier (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BridgePier (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BridgeSpan (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BridgeSpan (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BridgeSpan (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BridgeSuperstructure (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BridgeSuperstructure (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BridgeTower (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Thicket (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Building (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Building (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BuildingSuperstructure (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BuildingSuperstructure (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BuildingSuperstructure (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BuiltUpArea (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BuiltUpArea (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Cairn (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CallingInPoint (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Camp (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Camp (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CampSite (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CampSite (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Canal (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Canal (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CartTrack (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Castle (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Castle (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CatalyticCracker (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CatalyticCracker (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Cemetery (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Cemetery (Point)

EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Checkpoint (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Cistern (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Smokestack (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ControlTower (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ControlTower (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Conveyor (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Conveyor (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CoolingTower (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CoolingTower (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Courtyard (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Crane (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Crane (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Crevasse (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Crevasse (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Crib (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Crib (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CropLand (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Crossing (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Culvert (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Culvert (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Dam (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Dam (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Dam (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DepthContour (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DepthCurve (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DepthArea (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AnnotatedLocation (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AnnotatedLocation (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AnnotatedLocation (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DiscolouredWater (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DiscolouredWater (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DishAerial (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DisposalSite (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DisposalSite (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DistanceMark (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DragonsTeeth (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DragonsTeeth (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DriveInTheatre (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - OutdoorTheatreScreen (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - OutdoorTheatreScreen (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DryDock (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Cable (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ElevationContour (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - EngineTestCell (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - EngineTestCell (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SteepTerrainFace (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Esker (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ExcavatingMachine (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ExcavatingMachine (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ExtractionMine (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ExtractionMine (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Facility (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Facility (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Fairground (Area)

EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Fence (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FerryCrossing (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FerryCrossing (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FerryStation (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FerryStation (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FishLadder (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FishingStakes (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FishWeir (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FishWeir (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FlarePipe (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FloatingDryDock (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Ford (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Ford (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Ford (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Forest (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Forest (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Fountain (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Fountain (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Gantry (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Gantry (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Gate (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - GeothermalOutlet (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - GolfCourse (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - GolfDrivingRange (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Greenhouse (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Helipad (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Hummock (Area)

EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Hut (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Lock (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Lock (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - IceShelf (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Ditch (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Ditch (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Island (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - LandslideMass (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - LaunchPad (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Lighthouse (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - LightVessel (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - LiquidDiffuser (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - HoldingPen (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - UtilityCover (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FoulGround (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Gridiron (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MilitaryInstallation (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MineralPile (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MineralPile (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Moat (Line)

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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Dolphin (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Moraine (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MountainPass (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - NamedLocation (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - NamedLocation (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Oasis (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - OverheadObstruction (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - PackIce (Line)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - HydrocarbonsField (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Pipeline (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - PlantNursery (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - PowerSubstation (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - PreparedWatercourseCross (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - PublicSquare (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - PublicSquare (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - PumpingStation (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - RadarStation (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - RailwayTurntable (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Ramp (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Rapids (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Rapids (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - RiceField (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Rig (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Rig (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - River (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - GaugingStation (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Road (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - RoadInterchange (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - RoadsideRestArea (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - RockFormation (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Roundhouse (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Ruins (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Stopway (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SandDunes (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Lookout (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Lookout (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SeaplaneRun (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Settlement (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SettlingPond (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ShantyTown (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ShantyTown (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Shed (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Shed (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Shipyard (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Shipyard (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ShorelineConstruction (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ShorelineConstruction (Line)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BeachLandingSite (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Sidewalk (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SkiJump (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SkiJump (Point)

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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SluiceGate (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SluiceGate (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SmallCraftFacility (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SmallCraftFacility (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Snag (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Snag (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SolarPanel (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Sounding (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Spillway (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SpotElevation (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Stadium (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Stadium (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Stair (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - InsubstantialNavMark (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SteepGrade (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SurfaceBunker (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SurfaceBunker (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ShippingContainer (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - StorageDepot (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - StorageTank (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - StructuralPile (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - HazardousRock (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - GeodeticPoint (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Swamp (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SweptArea (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SwimmingPool (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SwimmingPool (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Orchard (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Taxiway (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Taxiway (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Cableway (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Crater (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Crater (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Cut (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Depression (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Depression (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Tower (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Tower (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TrafficSeparationScheme (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TrainingSite (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TransportationStation (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TransportationStation (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Tundra (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Tunnel (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Tunnel (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - UndergroundBunker (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - UndergroundBunker (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - UndergroundDwelling (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - VehicleBarrier (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - VehicleBarrier (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - VehicleLot (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Berth (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Vineyard (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Vineyard (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Volcano (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterbodyDivider (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TidalWater (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterIntakeTower (Area)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterTower (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterTower (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterTurbulence (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterTurbulence (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterTurbulence (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Waterfall (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - NaturalPool (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FiringRange (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FiringRange (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Windmill (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Windmill (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Cane (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FireHydrant (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AntiAircraftArtillerySite (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AntiAircraftArtillerySite (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MaritimeSignalStation (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - LandParcel (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Crevice (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Crevice (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Embankment (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Embankment (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SkiRun (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SkiRun (Line)

EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CaravanPark (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AerodromeBeacon (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BasinGate (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - BasinGate (Point)
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EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CastleComplex (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CausewayStructure (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CausewayStructure (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CutLine (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - EngineeredEarthwork (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - EngineeredEarthwork (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FishFarmFacility (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FishFarmFacility (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FloodControlStructure (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FloodControlStructure (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FloodControlStructure (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FortifiedBuilding (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - FortifiedBuilding (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - InlandWaterbody (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - InlandWaterbody (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - LandAerodrome (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - LandAerodrome (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MaricultureSite (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MemorialMonument (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MemorialMonument (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MemorialMonument (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - QanatShaft (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Railway (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SewageTreatmentPlant (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SewageTreatmentPlant (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ShipElevator (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ShipElevator (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - ShipElevator (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TransRouteCharacterChange (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TransRouteCharacterChange (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TransRouteProtectStruct (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TransRouteProtectStruct (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TransRouteProtectStruct (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterAerodrome (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterAerodrome (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterRace (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MaritimeNavLightSupport (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CaveChamber (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CaveMouth (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - NonWaterWell (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterMeasurementLocation (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterMeasurementLocation (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AeroRadioNavInstallation (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterMovementDataLocation (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SnowIceField (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - LandingZone (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - LandingZone (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - HarbourWaters (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - MilitaryBoundary (Line)

EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TrafficLight (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - InstallationBoundary (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TankTrail (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TankTrail (Line)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TankCrossing (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - TankCrossing (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - EngineeredTurnaroundSite (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CantonmentArea (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WasteHeap (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WasteHeap (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Pump (Point)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - AqueductAON (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CanalAON (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - CisternAON (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - DitchAON (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - InlandWaterbodyAON (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - NaturalPoolAON (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - PipelineAON (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - PumpingStationAON (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - RiverAON (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SabkhaAON (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - StorageTankAON (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SwimmingPoolAON (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - WaterWellAON (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - Aquifer (Area)
EntityCollectionMetadata (Table)	- provides metadata for - Zero or more - SurveyPoint (Point)

Feature **Esker (Line)**New ☐ **Esker****A long, narrow ridge of sand and gravel deposited by a glacial stream.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	DB100	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB100						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Esker (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Esker (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Esker (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Esker (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Esker (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Esker (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Esker (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Esker (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Esker (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Esker (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Esker (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)

Feature ExcavatingMachine (Line)New ☐ Excavating Machine

A mechanical device for removing materials from the ground. [Description] For example, a dredger, a powershovel, and a dragline.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AF050						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original						
allowed values: Historical Original No Information Unverified Transliterated						
allowed values: Historical Transliterated Other Variant Original						
allowed values: Native Original Provisional Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False						
allowed values: No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
allowed values: Construction Intact						
allowed values: Damaged No Information						
allowed values: Destroyed Unmaintained						
allowed values: Dismantled						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: ExcavatingMachine (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ExcavatingMachine (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 ExcavatingMachine (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 ExcavatingMachine (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ExcavatingMachine (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ExcavatingMachine (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ExcavatingMachine (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ExcavatingMachine (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ExcavatingMachine (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ExcavatingMachine (Line) - is a member of group - Exactly one - IndustryCrv (FeatureGroup)

Feature ExcavatingMachine (Point)

New ☐ Excavating Machine

A mechanical device for removing materials from the ground. [Description] For example, a dredger, a powershovel, and a dragline.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AF050						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: *noInformation**allowed values:* *pimGUID*

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: *-999999.0*

Relationships: ExcavatingMachine (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ExcavatingMachine (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 ExcavatingMachine (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 ExcavatingMachine (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ExcavatingMachine (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ExcavatingMachine (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ExcavatingMachine (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ExcavatingMachine (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ExcavatingMachine (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ExcavatingMachine (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature ExtractionMine (Area)New ☐ Extraction Mine**An excavation made in the terrain for the purpose of extracting and/or exploiting natural resources.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> <i>[-999999, -999999]</i>						
Deepest Depth Below Surface Level	1	-999999.0	REAL	metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> <i>-999999.0</i>						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> <i>noInformation</i>						
Extraction Mine Type	1	No Information	Enumeration	Unitless	0	The type of an extraction mine.
<i>allowed values:</i> Area Strip-mine Dredge Peatery			Below Surface No Information Placer			Borrow-pit Opencast Prospect Contour Strip-mine Other Quarry

	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AA010	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AA010						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Chemical Mining No Information Solid Mineral Fuel Mining			Metal Ore Mining Other			Mineral Mining Peat Extraction Mining and Quarrying Salt Extraction
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						

Least Depth Below Surface Level	1	-999999.0	REAL	metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
<i>allowed values:</i> Damaged No Information						
<i>allowed values:</i> Destroyed Unmaintained						
<i>allowed values:</i> Dismantled						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Basalt Clay Diatomaceous Earth Granite Manganese No Information Pumice Sand Stone Vanadium						
<i>allowed values:</i> Bauxite Coal Dolomite Gravel Marble Other Quartz Sandstone Tin Zinc						
<i>allowed values:</i> Chalk Copper Fluorite Iron Mica Phosphate Rock Selenium Travertine						
<i>allowed values:</i> Chromium Diamond Gold Lead Nickel Porphyry Salt Silver Uranium						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
<i>allowed values:</i> Other						

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Underground Mine Access	1	No Information	Enumeration	Unitless	0	The means by which an underground mine is accessed from the surface. [Description] For example, by a tunnel or a shaft.
<i>allowed values:</i> Drift Slope			No Information			Shaft Not Applicable
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Below Ground Surface			No Information			On Surface
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: ExtractionMine (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ExtractionMine (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ExtractionMine (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ExtractionMine (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ExtractionMine (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ExtractionMine (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ExtractionMine (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ExtractionMine (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ExtractionMine (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ExtractionMine (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ExtractionMine (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ExtractionMine (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature ExtractionMine (Point)New ☐ Extraction Mine

An excavation made in the terrain for the purpose of extracting and/or exploiting natural resources.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Deepest Depth Below Surface Level	1	-999999.0	REAL	metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Extraction Mine Type	1	No Information	Enumeration	Unitless	0	The type of an extraction mine.
<i>allowed values:</i> Area Strip-mine Dredge Peatery			Below Surface No Information Placer			Borrow-pit Opencast Prospect Contour Strip-mine Other Quarry
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AA010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AA010						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

<i>allowed values:</i> Chemical Mining No Information Solid Mineral Fuel Mining			Metal Ore Mining Other		Mineral Mining Peat Extraction		Mining and Quarrying Salt Extraction
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information				Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter				Fallout Shelter		No Information	Other
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Least Depth Below Surface Level	1	-999999.0	REAL	metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Basalt Clay Diatomaceous Earth Granite Manganese No Information Pumice Sand Stone Vanadium			Bauxite Coal Dolomite Gravel Marble Other Quartz Sandstone Tin Zinc			Chalk Chromium Copper Diamond Gold Lead Nickel Porphyry Salt Silver Uranium
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Underground Mine Access	1	No Information	Enumeration	Unitless	0	The means by which an underground mine is accessed from the surface. [Description] For example, by a tunnel or a shaft.
<i>allowed values:</i> Drift Slope			No Information			Not Applicable Shaft
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Below Ground Surface			No Information			On Surface
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: ExtractionMine (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
ExtractionMine (Point) - has dataset metadata in - Zero or one - Dataset (Area)
ExtractionMine (Point) - has dataset metadata in - Zero or one - Dataset (Table)
ExtractionMine (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
ExtractionMine (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
ExtractionMine (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
ExtractionMine (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
ExtractionMine (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
ExtractionMine (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
ExtractionMine (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
ExtractionMine (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
ExtractionMine (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature Facility (Area)

New ☐ Facility

An area that has been developed to perform a specific principal function, consisting of one or more vertical constructions (for example: structures or buildings), horizontal constructions (for example: pavements, roads, rail tracks, or bridges), and/or supporting utilities (for example: power lines, water supply, or sewerage), plus the underlying land. [Description] For example, an industrial plant consisting of building(s), shipping dock(s), storage area(s), power transformer(s), heating and/or cooling equipment, vehicle parking, roads, railroad tracks, and perimeter fences and gates.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse No Information Scrap-metal
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL010						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

<i>allowed values:</i>	Accommodation	Accounting	Administration	Adult Entertainment
	Advertising	Agriculture	Air Traffic Control	Air Transport
	Aircraft Manufacture	Aircraft Repair	Amusement	Animal Boarding
	Animal Feed Manufacture	Apparel Manufacture	Aquaculture	Aquarium
	Architecture Consulting	Armory	Auditorium	Baking
	Banquet Hall	Bar	Beauty Treatment	Beverage Manufacture
	Botanical and/or Zoological Reserve Activities	Branch Telephone Exchange	Brewing	Business and Personal Support Services
	Business Management	Call Centre	Canal Transport	Capitol
	Cargo Handling	CBRNE Civilian Support	Cement Mill	Cement Product Manufacture
	Central Banking	Ceramic Product Manufacture	Chemical Manufacture	Chemical Mining
	Cinema	Civil Activities	Civil Intelligence	Clay Product Manufacture
	Climate Control	Club	Coke Manufacture	Commerce
	<i>Communal Bath</i>	Community Centre	Confection Manufacture	Consul
	Convenience Store	Convention Centre	Cooling	Courier Activities
	Cremation	Cultural, Arts and Entertainment	Custodial Service	Customs Checkpoint
	Dairying	Day Care	Death Care Services	Defence Activities
	Dependents Housing	Dining Hall	Diplomacy	Diplomatic Mission
	Dormitory	Education	Electrical Equipment Manufacture	Electrical Equipment Repair
	Electronic Equipment Manufacture	Electronic Equipment Repair	Embassy	Emergency Operations
	Emergency Relief Services	Emergency Shelter	Emergency Youth Shelter	Employment Agency
	Engineering Design	Executive Activities	Fabricated Metal Product Manufacture	Fabricated Metal Product Repair
	Financial Market Administration	Financial Services	Firefighting	Fishing
	Fitness Centre	Food Processing	Food Product Manufacture	Food Service
	Footwear Manufacturing	Forest Warden	Forestry and/or Logging	Foundry
	Fruit and/or Vegetable Processing	Fund Management	Funeral Services	Furniture Manufacture
	Gambling	Game and/or Toy Manufacture	Gas Oil Separation	General Repair
	Glass Product Manufacture	Government	Grain Milling	Grazing
	Grocery	Growing of Crops	Guard	Guest-house
	Harbour Control	Head Office	Headquarters	Heating
	Higher Education	Hobbies and/or Leisure Activities	Homeless Shelter	Hostel
	Hotel	Human Health Activities	Human Tissue Repository	Hunting
	Ice Manufacture	Immigration Control	Imprisonment	Information Service
	Inland Waters Transport	In-patient Care	Inspection	Inspection Station
	Insurance	Intermediate Care	Islamic Prayer Hall	Jewellery Manufacture
	Judicial Activities	Juvenile Corrections	Landscaping Service	Laundry
	Law Enforcement	Leather Product Manufacture	Legal Activities	Legislative Activities
	Leprosy Care	Library	Local Government	Long-term Accommodation
	Machinery Manufacture	Machinery Repair	Mail and Package Transport	Main Telephone Exchange
	Manufacturing	Maritime Defense	Maritime Pilotage	Market
	Materials Recovery	Meat Processing	Medical and/or Dental Equipment Manufacture	Medicinal Product Manufacture
	Meeting Place	Membership Organization	Metal Ore Mining	Metal Product Manufacturing
	Metal Refining	Military Recruitment	Military Reserve Activities	Military Vehicle Manufacture
	Mineral Mining	Mining and Quarrying	Miscellaneous Manufacturing	Mixed Farming
	Mobile Phone Service	Mortuary Services	Motel	Motor Vehicle Manufacture
	Motor Vehicle Parking	Motor Vehicle Rental	Motor Vehicle Repair	Munitions Manufacture
	Museum	Musical Instrument Manufacture	National Government	Navigation
	Night Club	<i>No Information</i>	Nonmetallic Mineral Product Manufacturing	Non-specialized Store
	Nuclear Research Centre	Observation Station	Office Administration	Oil-mill
	Opera House	Ore Dressing	<i>Other</i>	Out-patient Care
	Palace	Paper-mill	Pasta Manufacture	Pedestrian Transport
	Petrol Sale	Petroleum and Coal Products Manufacturing	Petroleum and/or Gas Extraction	Petroleum Refining
	Pet-shop	Pharmacy	Photography	Pilot Station
	Pipeline Transport	Place of Worship	Plastic Product Manufacture	Polling Station
	Port Control	Postal Activities	Power Generation	Precious Metal Merchant
	Prepared Meal Manufacture	Primary Education	Primary Metal Manufacturing	Print Publishing
	Printing	Professional, Scientific and Technical	Propane Sale	Psychiatric In-patient Care

Public Administration	Public Health Activities	Public Order	Public Order, Safety and Security Services
Public Records	Publishing and Broadcasting	Pumping	Radio Broadcasting
Railway Passenger Transport	Railway Transport	Railway Vehicle Manufacture	Railway Vehicle Repair
Raising of Animals	Real Estate Activities	Recreation	Refractory Product Manufacture
Refugee Shelter	Religious Activities	Rescue and Paramedical Services	Residence
Residential Care	Resort	Restaurant	Restroom
Retail Banking	Retail Sale	Retail Telecommunications	Road Freight Transport
Road Passenger Transport	Road Transport	Rubber Product Manufacture	Safety
Sales Yard	Satellite Ground Control	Satellite Telecommunications	Sawmilling
Scientific Research and Development	Seafood Processing	Secondary Education	Security Brokerage
Security Enforcement	Security Services	Sewerage	Sewerage Screening
Ship Construction	Ship Repair	Shooting Range	Short-term Accommodation
Signalling	Silviculture	Social Work	Soft Drink Manufacture
Solid Mineral Fuel Mining	Specialized Store	Spirit Distillery	Sports Centre
Sports Goods Manufacture	Sports, Amusement and Recreation	Station	Steel Mill
Stone Product Manufacture	Stop	Storage of Human Remains	Structural Metal Product Manufacture
Subnational Government	Sugar Manufacture	Sugar Milling	Sugar Refining
Surveying	Telecommunications	Television Broadcasting	Terminal
Textile Manufacture	Textile, Apparel and Leather Manufacture	Theatre	Tobacco Product Manufacture
Transfer Hub	Transport	Transport System Maintenance	Transportation Equipment Manufacturing
Transportation Hub	Transportation Support	Travel Agency	Urgent Medical Care
Utilities	Vacation Cottage	Veterinary	Vocational Education
Warehousing and Storage	Water Collection	Water Distribution	<i>Water Park</i>
Water Supply	Water Transport	Water Treatment	Weather Station
Wholesale Merchant	Wind Tunnel	Winery	Wired Repeater
Wired Telecommunications	Wireless Repeater	Wireless Telecommunications	Wood-based Manufacturing
Wooden Construction Product Manufacture	Yacht-club		

New Feature Unique Identifier 1 noInformation StructuredText Unitless 254 When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Geographic Name Information : Full Name 3 No Information String Unitless 200 A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information

New (Location Country) Designation : GENC Short URN-based Identifier 1 No Information CodeList Unitless 24 The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at <http://nsgreg.nga.mil/gencl>. [Hyperlink] <http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2>

allowed values: No Information

Other

Geographic Name Information : Geographic Name Type 3 No Information Enumeration Unitless 0 The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

allowed values:

Conventional
Native Transliterated
Unverified Original

Historical Original
No Information
Unverified Transliterated

Historical Transliterated
Other
Variant Original

Native Original
Provisional
Variant Transliterated

Height Above Surface Level 1 -999999.0 REAL metre 0 The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999.0

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
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allowed values:

Aircraft
Biochemical
Chemical
Coke
Cotton
Electronic Equipment
Fluorine
Gas
Ice
Liquefied Natural Gas (LNG)
Metal
Munitions
Nuclear Fuel
Petrochemical
Petroleum Lubricant
Radioactive Material
Sewage
Sugar
Vegetation Product
Zinc

Aluminum
Biodiesel
Clothing
Concrete
Desalinated Water
Explosive
Food
Glass
Iron
Liquefied Petroleum Gas (LPG)
Milk
No Information
Olive Oil
Petrol
Phosphorus
Rice
Silver
Textile
Water

Ammunition
Brick
Coal
Consumer Goods
Electric Power
Fertilizer
Frozen Water
Gold
Lead
Lumber
Milled Grain
No Product
Other
Petroleum
Plastic
Rubber
Snow
Tobacco
Whale Products

Asphalt
Cement
Coffee
Copper
Electrical Equipment
Fish
Fruit
Heating Steam and/or Water
Lime
Manganese
Motor Vehicle
Non-solid Hydrocarbon Fuel
Paper
Petroleum and/or Natural Gas
Prestressed Concrete
Salt
Steel
Uranium
Wine

Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
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<i>allowed values:</i>	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead No Information Other Plastic Silver Textile Water		
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i>	Buddhism Islam No Information Roman Catholic	Chaldean Judaism Orthodox Shia	Christian Mixed and/or No Designation Other Shinto	Hinduism Nestorian Protestant Sunni		
Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.
<i>allowed values:</i>	Cathedral Hermitage Monastery Other Seminary Tabernacle	Chapel Marabout Mosque Pagoda Shrine Temple	Church Minaret No Information Religious Community Stupa	Convent Mission Noviciate Retreat Synagogue		
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information	Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Adobe Brick Fibreglass Metal Plant Material Steel			Aluminum Glass Mud-based Construction Prestressed Concrete Stone			Brick Iron Concrete Masonry Other Reinforced Concrete Sod Wood
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
<i>allowed values:</i> Cellular Phone Other Television (TV)			Microwave Radio Relay Radio Broadcast			Mobile Phone Radio Telephone No Information Radio-telegraph

Relationships: Facility (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Facility (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Facility (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Facility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Facility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Facility (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Facility (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Facility (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Facility (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Facility (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Facility (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Facility (Area) - is a member of group - Exactly one - FacilitySrf (FeatureGroup)

Feature Facility (Point)New ☐ Facility

An area that has been developed to perform a specific principal function, consisting of one or more vertical constructions (for example: structures or buildings), horizontal constructions (for example: pavements, roads, rail tracks, or bridges), and/or supporting utilities (for example: power lines, water supply, or sewerage), plus the underlying land. [Description] For example, an industrial plant consisting of building(s), shipping dock(s), storage area(s), power transformer(s), heating and/or cooling equipment, vehicle parking, roads, railroad tracks, and perimeter fences and gates.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse No Information Scrap-metal
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL010	CONSTRAINED_STRING	Unitless	5	Feature Code

allowed values: AL010

Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
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<i>allowed values:</i>	Accommodation	Accounting	Administration	Adult Entertainment
	Advertising	Agriculture	Air Traffic Control	Air Transport
	Aircraft Manufacture	Aircraft Repair	Amusement	Animal Boarding
	Animal Feed Manufacture	Apparel Manufacture	Aquaculture	Aquarium
	Architecture Consulting	Armory	Auditorium	Baking
	Banquet Hall	Bar	Beauty Treatment	Beverage Manufacture
	Botanical and/or Zoological Reserve Activities	Branch Telephone Exchange	Brewing	Business and Personal Support Services
	Business Management	Call Centre	Canal Transport	Capitol
	Cargo Handling	CBRNE Civilian Support	Cement Mill	Cement Product Manufacture
	Central Banking	Ceramic Product Manufacture	Chemical Manufacture	Chemical Mining
	Cinema	Civil Activities	Civil Intelligence	Clay Product Manufacture
	Climate Control	Club	Coke Manufacture	Commerce
	<i>Communal Bath</i>	Community Centre	Confection Manufacture	Consul
	Convenience Store	Convention Centre	Cooling	Courier Activities
	Cremation	Cultural, Arts and Entertainment	Custodial Service	Customs Checkpoint
	Dairying	Day Care	Death Care Services	Defence Activities
	Dependents Housing	Dining Hall	Diplomacy	Diplomatic Mission
	Dormitory	Education	Electrical Equipment Manufacture	Electrical Equipment Repair
	Electronic Equipment Manufacture	Electronic Equipment Repair	Embassy	Emergency Operations
	Emergency Relief Services	Emergency Shelter	Emergency Youth Shelter	Employment Agency
	Engineering Design	Executive Activities	Fabricated Metal Product Manufacture	Fabricated Metal Product Repair
	Financial Market Administration	Financial Services	Firefighting	Fishing
	Fitness Centre	Food Processing	Food Product Manufacture	Food Service
	Footwear Manufacturing	Forest Warden	Forestry and/or Logging	Foundry
	Fruit and/or Vegetable Processing	Fund Management	Funeral Services	Furniture Manufacture
	Gambling	Game and/or Toy Manufacture	Gas Oil Separation	General Repair
	Glass Product Manufacture	Government	Grain Milling	Grazing
	Grocery	Growing of Crops	Guard	Guest-house
	Harbour Control	Head Office	Headquarters	Heating
	Higher Education	Hobbies and/or Leisure Activities	Homeless Shelter	Hostel
	Hotel	Human Health Activities	Human Tissue Repository	Hunting
	Ice Manufacture	Immigration Control	Imprisonment	Information Service
	Inland Waters Transport	In-patient Care	Inspection	Inspection Station
	Insurance	Intermediate Care	Islamic Prayer Hall	Jewellery Manufacture
	Judicial Activities	Juvenile Corrections	Landscaping Service	Laundry
	Law Enforcement	Leather Product Manufacture	Legal Activities	Legislative Activities
	Leprosy Care	Library	Local Government	Long-term Accommodation
	Machinery Manufacture	Machinery Repair	Mail and Package Transport	Main Telephone Exchange
	Manufacturing	Maritime Defense	Maritime Pilotage	Market
	Materials Recovery	Meat Processing	Medical and/or Dental Equipment Manufacture	Medicinal Product Manufacture
	Meeting Place	Membership Organization	Metal Ore Mining	Metal Product Manufacturing
	Metal Refining	Military Recruitment	Military Reserve Activities	Military Vehicle Manufacture
	Mineral Mining	Mining and Quarrying	Miscellaneous Manufacturing	Mixed Farming
	Mobile Phone Service	Mortuary Services	Motel	Motor Vehicle Manufacture
	Motor Vehicle Parking	Motor Vehicle Rental	Motor Vehicle Repair	Munitions Manufacture
	Museum	Musical Instrument Manufacture	National Government	Navigation
	Night Club	<i>No Information</i>	Nonmetallic Mineral Product Manufacturing	Non-specialized Store
	Nuclear Research Centre	Observation Station	Office Administration	Oil-mill
	Opera House	Ore Dressing	<i>Other</i>	Out-patient Care
	Palace	Paper-mill	Pasta Manufacture	Pedestrian Transport
	Petrol Sale	Petroleum and Coal Products Manufacturing	Petroleum and/or Gas Extraction	Petroleum Refining
	Pet-shop	Pharmacy	Photography	Pilot Station
	Pipeline Transport	Place of Worship	Plastic Product Manufacture	Polling Station
	Port Control	Postal Activities	Power Generation	Precious Metal Merchant
	Prepared Meal Manufacture	Primary Education	Primary Metal Manufacturing	Print Publishing
	Printing	Professional, Scientific and Technical	Propane Sale	Psychiatric In-patient Care

Public Administration	Public Health Activities	Public Order	Public Order, Safety and Security Services
Public Records	Publishing and Broadcasting	Pumping	Radio Broadcasting
Railway Passenger Transport	Railway Transport	Railway Vehicle Manufacture	Railway Vehicle Repair
Raising of Animals	Real Estate Activities	Recreation	Refractory Product Manufacture
Refugee Shelter	Religious Activities	Rescue and Paramedical Services	Residence
Residential Care	Resort	Restaurant	Restroom
Retail Banking	Retail Sale	Retail Telecommunications	Road Freight Transport
Road Passenger Transport	Road Transport	Rubber Product Manufacture	Safety
Sales Yard	Satellite Ground Control	Satellite Telecommunications	Sawmilling
Scientific Research and Development	Seafood Processing	Secondary Education	Security Brokerage
Security Enforcement	Security Services	Sewerage	Sewerage Screening
Ship Construction	Ship Repair	Shooting Range	Short-term Accommodation
Signalling	Silviculture	Social Work	Soft Drink Manufacture
Solid Mineral Fuel Mining	Specialized Store	Spirit Distillery	Sports Centre
Sports Goods Manufacture	Sports, Amusement and Recreation	Station	Steel Mill
Stone Product Manufacture	Stop	Storage of Human Remains	Structural Metal Product Manufacture
Subnational Government	Sugar Manufacture	Sugar Milling	Sugar Refining
Surveying	Telecommunications	Television Broadcasting	Terminal
Textile Manufacture	Textile, Apparel and Leather Manufacture	Theatre	Tobacco Product Manufacture
Transfer Hub	Transport	Transport System Maintenance	Transportation Equipment Manufacturing
Transportation Hub	Transportation Support	Travel Agency	Urgent Medical Care
Utilities	Vacation Cottage	Veterinary	Vocational Education
Warehousing and Storage	Water Collection	Water Distribution	<i>Water Park</i>
Water Supply	Water Transport	Water Treatment	Weather Station
Wholesale Merchant	Wind Tunnel	Winery	Wired Repeater
Wired Telecommunications	Wireless Repeater	Wireless Telecommunications	Wood-based Manufacturing
Wooden Construction Product Manufacture	Yacht-club		

New Feature Unique Identifier 1 noInformation StructuredText Unitless 254 When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Geographic Name Information : Full Name 3 No Information String Unitless 200 A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information

New (Location Country) Designation : GENC Short URN-based Identifier 1 No Information CodeList Unitless 24 The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at <http://nsgreg.nga.mil/gencl>. [Hyperlink] <http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2>

allowed values: No Information

Other

Geographic Name Information : Geographic Name Type 3 No Information Enumeration Unitless 0 The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

allowed values:

Conventional
Native Transliterated
Unverified Original

Historical Original
No Information
Unverified Transliterated

Historical Transliterated
Other
Variant Original

Native Original
Provisional
Variant Transliterated

Height Above Surface Level 1 -999999.0 REAL metre 0 The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999.0

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
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allowed values:

Aircraft
Biochemical
Chemical
Coke
Cotton
Electronic Equipment
Fluorine
Gas
Ice
Liquefied Natural Gas (LNG)
Metal
Munitions
Nuclear Fuel
Petrochemical
Petroleum Lubricant
Radioactive Material
Sewage
Sugar
Vegetation Product
Zinc

Aluminum
Biodiesel
Clothing
Concrete
Desalinated Water
Explosive
Food
Glass
Iron
Liquefied Petroleum Gas (LPG)
Milk
No Information
Olive Oil
Petrol
Phosphorus
Rice
Silver
Textile
Water

Ammunition
Brick
Coal
Consumer Goods
Electric Power
Fertilizer
Frozen Water
Gold
Lead
Lumber
Milled Grain
No Product
Other
Petroleum
Plastic
Rubber
Snow
Tobacco
Whale Products

Asphalt
Cement
Coffee
Copper
Electrical Equipment
Fish
Fruit
Heating Steam and/or Water
Lime
Manganese
Motor Vehicle
Non-solid Hydrocarbon Fuel
Paper
Petroleum and/or Natural Gas
Prestressed Concrete
Salt
Steel
Uranium
Wine

Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
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<i>allowed values:</i>	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead No Information Other Plastic Silver Textile Water		
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i>	Buddhism Islam No Information Roman Catholic	Chaldean Judaism Orthodox Shia	Christian Mixed and/or No Designation Other Shinto	Hinduism Nestorian Protestant Sunni		
Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.
<i>allowed values:</i>	Cathedral Hermitage Monastery Other Seminary Tabernacle	Chapel Marabout Mosque Pagoda Shrine Temple	Church Minaret No Information Religious Community Stupa	Convent Mission Noviciate Retreat Synagogue		
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information	Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Adobe Brick Fibreglass Metal Plant Material Steel			Aluminum Glass Mud-based Construction Prestressed Concrete Stone			Brick Iron Concrete Masonry Other Reinforced Concrete Sod Wood
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
<i>allowed values:</i> Cellular Phone Other Television (TV)			Microwave Radio Relay Radio Broadcast			Mobile Phone Radio Telephone No Information Radio-telegraph

Relationships: Facility (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Facility (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Facility (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Facility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Facility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Facility (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Facility (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Facility (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Facility (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Facility (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Facility (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Facility (Point) - is a member of group - Exactly one - FacilityPnt (FeatureGroup)

Feature Fairground (Area) New ☐ Fairground

An area where permanent facilities exist to hold outdoor fairs, circuses or exhibitions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK090	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK090						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Administration Dining Hall Market Other Restaurant Theatre			Amusement Emergency Operations Meeting Place Out-patient Care Restroom Transport			Animal Boarding Food Service Museum Recreation Retail Banking Urgent Medical Care Auditorium Hobbies and/or Leisure Activities No Information Religious Activities Security Enforcement

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformationallowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Fairground (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Fairground (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Fairground (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Fairground (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Fairground (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Fairground (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Fairground (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Fairground (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Fairground (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Fairground (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Fairground (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Fairground (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature FeatureAttMetadata (Table)New ☐ Feature Attribute Metadata

A modeling entity collecting metadata (for example: source, lineage, quality) about the digital representation of a feature attribute. [Description] For example, the currency of the information known about a feature attribute or the degree to which the attribute value is accurately and/or completely determined. Feature attributes are characteristics of features, which are representations of temporally persistent real-world phenomena.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Currency Date and Time	1	noInformation	StructuredText	Unitless	20	The date and, optionally, time assigned to a data set (for example: the digital representation of a single feature or a set of features) as a whole that provides an overall assessment of its currency. [Description] Often known as the 'as of' date, the overall currency of a data set is affected by knowledge of the source(s) and processes used to define the location, geometry, and other properties (attributes and associations) of the digital representation. [DatatypeSpecification] A structured text value specifying a date-time. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.4.1, Combinations of date and time of day - Complete representation - Extended format, a calendar date and time representation, as a single data element comprising up to twenty characters, where [YYYY] represents a calendar year, [MM] the ordinal number of a calendar month within the calendar year, [DD] the ordinal number of a day within the calendar month, [hh] the ordinal number of an hour within the calendar day, [mm] the ordinal number of a minute within the hour, [ss] the ordinal number of a second within the minute, and an optional 'Z' when the time is according to Coordinated Universal Time (UTC), as 'YYYY-MM-DDThh:mm:ssZ' (for example: '1985-04-12T11:45:20Z' for 11 hours, 45 minutes and 20 seconds UTC on 12 April 1985). Representations with reduced precision may be used in accordance with 5.4.2 (for example: '1985-04-12' for 12 April 1985). Representations consistently using basic format (eliminating the hyphen '-' and the colon ':') may be used in accordance with 5.4.1 (for example: '19850412T114520Z').

allowed values: noInformation

Data Quality Statement	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records a general assessment of the quality of a resource (for example: a data instance, a data set or a data processing activity). [Description] The quality of a data resource is dependent on the data providers knowledge regarding the lineage of the data and the processes that have been used to transform that data. No restriction is placed on the length of the statement.
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allowed values: No Information

New External Links 1 noInformation StructuredText Unitless 2E+09 A list of external references such as URLs that may provide ancillary information about this feature instance.

allowed values: noInformation

New Feature Code 1 ZI027 CONSTRAINED_STRING Unitless 5 Feature Code

allowed values: ZI027

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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<i>allowed values:</i> No Information						
New	Property DFDD-compatible Accessor	1	noInformation	StructuredText	Unitless	14
The DFDD-compatible alphanumeric code-based accessor assigned to a model property. [Description] The accessor may include multiple components that are composed using underscore-notation in the order that they are used to access the value of the property starting from a reference entity. The composed accessor may be used in physical implementations as a 'field name' to perform operations on the property value that is stored in that 'field' where the reference entity has been implemented as a 'table'. A DFDD-compatible code is a short, unique alphanumeric value that conforms to the DGIWG-developed Feature Data Dictionary (FDD) and may be used to designate a model property for the purposes of data interchange in conformance with DGIWG standards. [DatatypeSpecification] A structured text value specifying a property DFDD accessor. [EncodingSpecification] A text string whose content is structured in accordance with the requirements of the National System for Geospatial Intelligence Application Schema (NAS) - Part 1: Platform Independent Model (NGA.STND.0022).						
<i>allowed values:</i> noInformation						
	Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254
An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).						

allowed values: noInformation

Relationships:

FeatureAttMetadata (Table)	- is a member of configuration level - Exactly one - GGDM_Global (Feature)
FeatureAttMetadata (Table)	- is a member of configuration level - Exactly one - GGDM_Regional (Feature)
FeatureAttMetadata (Table)	- is a member of configuration level - Exactly one - GGDM_Local (Feature)
FeatureAttMetadata (Table)	- is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
FeatureAttMetadata (Table)	- is a member of group - Exactly one - MetadataTbl (FeatureGroup)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - PipelineCrossingPoint (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - StormDrain (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - StreetLamp (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - StreetSign (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ContaminatedRegion (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ContaminatedRegion (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AdministrativeDivision (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AerationBasin (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AerialFarm (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AerialFarm (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AquaticVegetation (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AquaticVegetation (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AstronomicalObservatory (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AstronomicalObservatory (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Billboard (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Borehole (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Brush (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MaritimeCautionArea (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ConservationArea (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CoolingFacility (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CoolingFacility (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ManorHouse (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ManorHouse (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CulturalContextLocation (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CulturalContextLocation (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Desert (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - DredgedArea (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ForestClearing (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FuelStorageFacility (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FuelStorageFacility (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - GeopoliticalEntity (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Grove (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Grove (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - IceCap (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - IceRoute (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - IndustrialFarm (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - IndustrialFarm (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - IndustrialFurnace (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - IndustrialFurnace (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Installation (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Installation (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MaritimeRadiobeacon (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MineShaftSuperstructure (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MineShaftSuperstructure (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MunitionStorageFacility (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MunitionStorageFacility (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - NonBuildingStructure (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - NonBuildingStructure (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - NuclearReactorContainment (Area)

FeatureAttMetadata (Table)	- provides metadata for - Zero or more - NuclearReactorContainment (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - OfficePark (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - OffshoreConstruction (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - OffshoreConstruction (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Port (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Port (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - RailwaySignal (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - RetailStand (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Scoreboard (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ShoppingComplex (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ShorelineRamp (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ShorelineRamp (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SolarFarm (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SolarFarm (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SpaceFacility (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SpaceFacility (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Stable (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Stable (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TetheredBalloon (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Tomb (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Tomb (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TunnelMouth (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterMill (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterMill (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterWell (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterWell (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Waterwork (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Waterwork (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WindFarm (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WindFarm (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AdministrativeBoundary (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - DefensiveRevetment (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AircraftHangar (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AircraftHangar (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Apron (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Amphitheatre (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Amphitheatre (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AmusementPark (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AmusementPark (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AmusementParkAttraction (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AmusementParkAttraction (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AmusementParkAttraction (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Anchor (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Anchorage (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Anchorage (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Zoo (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Zoo (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Aerial (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Aqueduct (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Aqueduct (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Arcade (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Arcade (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ArcheologicalSite (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ArcheologicalSite (Point)

FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AsphaltLake (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SportsGround (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SportsGround (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MotorVehicleStation (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MotorVehicleStation (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Barn (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Barn (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Beach (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BeachProfile (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MaritimeNavigationBeacon (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Benchmark (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BlastFurnace (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BlastFurnace (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - VesselLift (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Bog (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BotanicGarden (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BottomCharacterRegion (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BottomCharacterRegion (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BoundaryMonument (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Bridge (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Bridge (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Bridge (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BridgePier (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BridgePier (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BridgePier (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BridgeSpan (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BridgeSpan (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BridgeSpan (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BridgeSuperstructure (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Thicket (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Building (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Building (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BuildingSuperstructure (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CallingInPoint (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Camp (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Camp (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CampSite (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Castle (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Cemetery (Point)

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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CoolingTower (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Crane (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Cable (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ElevationContour (Line)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Esker (Line)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FishingStakes (Line)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FlarePipe (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FloatingDryDock (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Gantry (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Gate (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Helipad (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Hummock (Area)

FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Hut (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Lock (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Lock (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Island (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - LightVessel (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - HoldingPen (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - UtilityCover (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Gridiron (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - LightSector (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Wreck (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MilitaryInstallation (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Minefield (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MineralPile (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MineralPile (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MissileSite (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MissileSite (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Moat (Line)

FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ManufacturedHomePark (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Dolphin (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Moraine (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - NamedLocation (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Oasis (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - OverheadObstruction (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - PackIce (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Park (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ParticleAccelerator (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ParticleAccelerator (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Penstock (Line)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - HydrocarbonsField (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - PlantNursery (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ElectricPowerStation (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - PreparedWatercourseCross (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - PublicSquare (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Racetrack (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - RadarStation (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - RailwaySidetrack (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - RailwayTurntable (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Ramp (Line)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Rapids (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Reef (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - RiceField (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Rig (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Rig (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - River (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - GaugingStation (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - VanishingPoint (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - RoadInterchange (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Roundhouse (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Ruins (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Stopway (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SaltEvaporator (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SandDunes (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Lookout (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SeaplaneRun (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Sabkha (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ShantyTown (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ShantyTown (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SharpCurve (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Shed (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ShorelineConstruction (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Sidewalk (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SkiJump (Line)
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 FeatureAttMetadata (Table) - provides metadata for - Zero or more - Stadium (Area)
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 FeatureAttMetadata (Table) - provides metadata for - Zero or more - HazardousRock (Point)
 FeatureAttMetadata (Table) - provides metadata for - Zero or more - GeodeticPoint (Point)
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 FeatureAttMetadata (Table) - provides metadata for - Zero or more - SweptArea (Area)
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 FeatureAttMetadata (Table) - provides metadata for - Zero or more - Orchard (Area)
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 FeatureAttMetadata (Table) - provides metadata for - Zero or more - Cableway (Line)
 FeatureAttMetadata (Table) - provides metadata for - Zero or more - Crater (Area)
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 FeatureAttMetadata (Table) - provides metadata for - Zero or more - Depression (Area)
 FeatureAttMetadata (Table) - provides metadata for - Zero or more - Depression (Point)
 FeatureAttMetadata (Table) - provides metadata for - Zero or more - TestSite (Area)
 FeatureAttMetadata (Table) - provides metadata for - Zero or more - TidalStreamObserveStation (Point)
 FeatureAttMetadata (Table) - provides metadata for - Zero or more - Tower (Area)
 FeatureAttMetadata (Table) - provides metadata for - Zero or more - Tower (Point)
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 FeatureAttMetadata (Table) - provides metadata for - Zero or more - TrafficSeparationScheme (Line)
 FeatureAttMetadata (Table) - provides metadata for - Zero or more - TrafficSeparationScheme (Point)
 FeatureAttMetadata (Table) - provides metadata for - Zero or more - Trail (Line)
 FeatureAttMetadata (Table) - provides metadata for - Zero or more - TrainingSite (Area)

FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TrainingSite (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TransportationBlock (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TransportationBlock (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TransportationStation (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TransportationStation (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Tree (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Tundra (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Tunnel (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Tunnel (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - UndergroundBunker (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - UndergroundBunker (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - UndergroundDwelling (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - VehicleBarrier (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - VehicleBarrier (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - VehicleLot (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Berth (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Vineyard (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Vineyard (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - VoidCollectionArea (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - VolcanicDyke (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Volcano (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Volcano (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Wall (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterbodyDivider (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TidalWater (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterIntakeTower (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterIntakeTower (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterTower (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterTreatmentBed (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterTurbulence (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterTurbulence (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterTurbulence (Point)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Waterfall (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - NaturalPool (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - NaturalPool (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FiringRange (Area)
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FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Windmill (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Windmill (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Cane (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FireHydrant (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AntiAircraftArtillerySite (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AntiAircraftArtillerySite (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MaritimeSignalStation (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - LandParcel (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Crevice (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Crevice (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Embankment (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Embankment (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SkiRun (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SkiRun (Line)

FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CaravanPark (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AerodromeBeacon (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BasinGate (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - BasinGate (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CastleComplex (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CastleComplex (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CausewayStructure (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CausewayStructure (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CutLine (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - EngineeredEarthwork (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - EngineeredEarthwork (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FishFarmFacility (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FishFarmFacility (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FloodControlStructure (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FloodControlStructure (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FloodControlStructure (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FortifiedBuilding (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - FortifiedBuilding (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - InlandWaterbody (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - InlandWaterbody (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - LandAerodrome (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - LandAerodrome (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MaricultureSite (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MemorialMonument (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MemorialMonument (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MemorialMonument (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - QanatShaft (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Railway (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SewageTreatmentPlant (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SewageTreatmentPlant (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ShipElevator (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ShipElevator (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - ShipElevator (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TransRouteCharacterChange (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TransRouteCharacterChange (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TransRouteProtectStruct (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TransRouteProtectStruct (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TransRouteProtectStruct (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterAerodrome (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterAerodrome (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterRace (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MaritimeNavLightSupport (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CaveChamber (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CaveMouth (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - NonWaterWell (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterMeasurementLocation (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterMeasurementLocation (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AeroRadioNavInstallation (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterMovementDataLocation (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SnowIceField (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - LandingZone (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - LandingZone (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - HarbourWaters (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - MilitaryBoundary (Line)

FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TrafficLight (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - InstallationBoundary (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TankTrail (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TankTrail (Line)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TankCrossing (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - TankCrossing (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - EngineeredTurnaroundSite (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CantonmentArea (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WasteHeap (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WasteHeap (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Pump (Point)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - AqueductAON (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CanalAON (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - CisternAON (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - DitchAON (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - InlandWaterbodyAON (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - NaturalPoolAON (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - PipelineAON (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - PumpingStationAON (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - RiverAON (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SabkhaAON (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - StorageTankAON (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SwimmingPoolAON (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - WaterWellAON (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - Aquifer (Area)
FeatureAttMetadata (Table)	- provides metadata for - Zero or more - SurveyPoint (Point)

Feature FeatureMetadata (Table)New ☐ Feature Metadata

A modeling entity collecting metadata (for example: source, lineage, quality) about the digital representation of a feature and its properties (attributes and associations).

[Description] For example, the currency of the information known about a feature or the degree to which the properties of a feature are accurately and/or completely determined.

Features are representations of temporally persistent real-world phenomena, including their geometric position and extent.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Currency Date and Time	1	noInformation	StructuredText	Unitless	20	The date and, optionally, time assigned to a data set (for example: the digital representation of a single feature or a set of features) as a whole that provides an overall assessment of its currency. [Description] Often known as the 'as of' date, the overall currency of a data set is affected by knowledge of the source(s) and processes used to define the location, geometry, and other properties (attributes and associations) of the digital representation. [DatatypeSpecification] A structured text value specifying a date-time. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.4.1, Combinations of date and time of day - Complete representation - Extended format, a calendar date and time representation, as a single data element comprising up to twenty characters, where [YYYY] represents a calendar year, [MM] the ordinal number of a calendar month within the calendar year, [DD] the ordinal number of a day within the calendar month, [hh] the ordinal number of an hour within the calendar day, [mm] the ordinal number of a minute within the hour, [ss] the ordinal number of a second within the minute, and an optional 'Z' when the time is according to Coordinated Universal Time (UTC), as 'YYYY-MM-DDThh:mm:ssZ' (for example: '1985-04-12T11:45:20Z' for 11 hours, 45 minutes and 20 seconds UTC on 12 April 1985). Representations with reduced precision may be used in accordance with 5.4.2 (for example: '1985-04-12' for 12 April 1985). Representations consistently using basic format (eliminating the hyphen '-' and the colon ':') may be used in accordance with 5.4.1 (for example: '19850412T114520Z').
<i>allowed values:</i> noInformation						
Data Quality Statement	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records a general assessment of the quality of a resource (for example: a data instance, a data set or a data processing activity). [Description] The quality of a data resource is dependent on the data providers knowledge regarding the lineage of the data and the processes that have been used to transform that data. No restriction is placed on the length of the statement.
<i>allowed values:</i> No Information						
Delineation Known	1	No Information	Boolean	Unitless	0	An indication that the delineation (for example: limits and information) of a feature is known.
<i>allowed values:</i> False			No Information			True

	Existence Certainty Category	1	No Information	Enumeration	Unitless	0	A general evaluation of the quality of a feature assessment, as a category.
	<i>allowed values:</i> Definite Reported			Doubtful			No Information Probable
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	ZI026	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> ZI026						
	Geometry (Horizontal) : Horizontal Accuracy Category	1	No Information	Enumeration	Unitless	0	A general evaluation of the horizontal accuracy of the geographic position of a feature, as a category.
	<i>allowed values:</i> Accurate Precise			Approximate			Doubtful No Information
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
New	Schema Version	1	noInformation	StructuredText	Unitless	254	Identifies the version of the schema used at the time of data collection.
	<i>allowed values:</i> noInformation						
	Survey Coverage Category	1	No Information	Enumeration	Unitless	0	A general evaluation of the coverage quality of a survey, as a category. [Description] See possibly accompanying Attribute: 'Position Quality Category' for additional survey-related information.
	<i>allowed values:</i> Inadequately Surveyed			No Information			Surveyed Unsurveyed
	Underwater Delineation Quality	1	No Information	Enumeration	Unitless	0	The delineation quality of an underwater feature that is derived from overhead imagery (for example; airborne or satellite remote sensing imagery), as a category. [Description] Water column characteristics and other environmental factors (for example: water surface roughness or sun glint) will degrade the accuracy of the delineated extent of features.
	<i>allowed values:</i> Average Delineation No Information			Excellent Delineation Poor Delineation			Good Delineation Highly Obscured Delineation
	Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
	<i>allowed values:</i> noInformation						

Relationships: FeatureMetadata (Table) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 FeatureMetadata (Table) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FeatureMetadata (Table) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FeatureMetadata (Table) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FeatureMetadata (Table) - is a member of group - Exactly one - MetadataTbl (FeatureGroup)
 FeatureMetadata (Table) - provides metadata for - Zero or more - PipelineCrossingPoint (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - StormDrain (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - StreetLamp (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - StreetSign (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - ContaminatedRegion (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - ContaminatedRegion (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - AdministrativeDivision (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - AerationBasin (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - AerialFarm (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - AerialFarm (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - AquaticVegetation (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - AquaticVegetation (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - AstronomicalObservatory (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - AstronomicalObservatory (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Billboard (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Borehole (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Brush (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - MaritimeCautionArea (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - ConservationArea (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - CoolingFacility (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - CoolingFacility (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - ManorHouse (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - ManorHouse (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - CulturalContextLocation (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - CulturalContextLocation (Point)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - DredgedArea (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - ForestClearing (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - FuelStorageFacility (Area)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - GeopoliticalEntity (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Grove (Area)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - IceCap (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - IceRoute (Line)
 FeatureMetadata (Table) - provides metadata for - Zero or more - IndustrialFarm (Area)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - IndustrialFurnace (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - IndustrialFurnace (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Installation (Area)
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FeatureMetadata (Table) - provides metadata for - Zero or more - NuclearReactorContainment (Point)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - RailwaySignal (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - RetailStand (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Scoreboard (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - ShoppingComplex (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - ShorelineRamp (Area)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - TetheredBalloon (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Tomb (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Tomb (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - TunnelMouth (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WaterMill (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WaterMill (Point)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - WaterWell (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Waterwork (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Waterwork (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WindFarm (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WindFarm (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - AdministrativeBoundary (Line)
 FeatureMetadata (Table) - provides metadata for - Zero or more - DefensiveRevetment (Line)
 FeatureMetadata (Table) - provides metadata for - Zero or more - AircraftHangar (Area)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - Aqueduct (Line)
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FeatureMetadata (Table) - provides metadata for - Zero or more - AsphaltLake (Area)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - MaritimeNavigationBeacon (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Benchmark (Point)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - VesselLift (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Bog (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - BotanicGarden (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - BottomCharacterRegion (Area)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - BoundaryMonument (Point)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - Bridge (Point)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - BridgePier (Line)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - BridgeSpan (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - BridgeSpan (Line)
 FeatureMetadata (Table) - provides metadata for - Zero or more - BridgeSpan (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - BridgeSuperstructure (Area)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - Thicket (Area)
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FeatureMetadata (Table)	- provides metadata for - Zero or more - FerryStation (Point)
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FeatureMetadata (Table)	- provides metadata for - Zero or more - Gantry (Point)
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FeatureMetadata (Table)	- provides metadata for - Zero or more - StorageTank (Point)
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FeatureMetadata (Table)	- provides metadata for - Zero or more - HazardousRock (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - GeodeticPoint (Point)
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FeatureMetadata (Table)	- provides metadata for - Zero or more - SweptArea (Area)
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FeatureMetadata (Table)	- provides metadata for - Zero or more - SwimmingPool (Point)
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FeatureMetadata (Table)	- provides metadata for - Zero or more - Orchard (Point)
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FeatureMetadata (Table)	- provides metadata for - Zero or more - Cableway (Line)
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 FeatureMetadata (Table) - provides metadata for - Zero or more - Volcano (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Wall (Line)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WaterbodyDivider (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - TidalWater (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WaterIntakeTower (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WaterIntakeTower (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WaterTower (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WaterTower (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WaterTreatmentBed (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WaterTurbulence (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WaterTurbulence (Line)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WaterTurbulence (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Waterfall (Line)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Waterfall (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - NaturalPool (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - NaturalPool (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - FiringRange (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - FiringRange (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WindTurbine (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Windmill (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Windmill (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Cane (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - FireHydrant (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - AntiAircraftArtillerySite (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - AntiAircraftArtillerySite (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - MaritimeSignalStation (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - LandParcel (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Crevice (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Crevice (Line)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Embankment (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Embankment (Line)
 FeatureMetadata (Table) - provides metadata for - Zero or more - SkiRun (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - SkiRun (Line)

FeatureMetadata (Table)	- provides metadata for - Zero or more - CaravanPark (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - AerodromeBeacon (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - BasinGate (Line)
FeatureMetadata (Table)	- provides metadata for - Zero or more - BasinGate (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - CastleComplex (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - CastleComplex (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - CausewayStructure (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - CausewayStructure (Line)
FeatureMetadata (Table)	- provides metadata for - Zero or more - CutLine (Line)
FeatureMetadata (Table)	- provides metadata for - Zero or more - EngineeredEarthwork (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - EngineeredEarthwork (Line)
FeatureMetadata (Table)	- provides metadata for - Zero or more - FishFarmFacility (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - FishFarmFacility (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - FloodControlStructure (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - FloodControlStructure (Line)
FeatureMetadata (Table)	- provides metadata for - Zero or more - FloodControlStructure (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - FortifiedBuilding (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - FortifiedBuilding (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - InlandWaterbody (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - InlandWaterbody (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - LandAerodrome (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - LandAerodrome (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - MaricultureSite (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - MemorialMonument (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - MemorialMonument (Line)
FeatureMetadata (Table)	- provides metadata for - Zero or more - MemorialMonument (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - QanatShaft (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - Railway (Line)
FeatureMetadata (Table)	- provides metadata for - Zero or more - SewageTreatmentPlant (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - SewageTreatmentPlant (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - ShipElevator (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - ShipElevator (Line)
FeatureMetadata (Table)	- provides metadata for - Zero or more - ShipElevator (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - TransRouteCharacterChange (Line)
FeatureMetadata (Table)	- provides metadata for - Zero or more - TransRouteCharacterChange (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - TransRouteProtectStruct (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - TransRouteProtectStruct (Line)
FeatureMetadata (Table)	- provides metadata for - Zero or more - TransRouteProtectStruct (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - WaterAerodrome (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - WaterAerodrome (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - WaterRace (Line)
FeatureMetadata (Table)	- provides metadata for - Zero or more - MaritimeNavLightSupport (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - CaveChamber (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - CaveMouth (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - NonWaterWell (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - WaterMeasurementLocation (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - WaterMeasurementLocation (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - AeroRadioNavInstallation (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - WaterMovementDataLocation (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - SnowIceField (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - LandingZone (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - LandingZone (Point)
FeatureMetadata (Table)	- provides metadata for - Zero or more - HarbourWaters (Area)
FeatureMetadata (Table)	- provides metadata for - Zero or more - MilitaryBoundary (Line)

FeatureMetadata (Table) - provides metadata for - Zero or more - TrafficLight (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - InstallationBoundary (Line)
 FeatureMetadata (Table) - provides metadata for - Zero or more - TankTrail (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - TankTrail (Line)
 FeatureMetadata (Table) - provides metadata for - Zero or more - TankCrossing (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - TankCrossing (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - EngineeredTurnaroundSite (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - CantonmentArea (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WasteHeap (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WasteHeap (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Pump (Point)
 FeatureMetadata (Table) - provides metadata for - Zero or more - AqueductAON (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - CanalAON (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - CisternAON (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - DitchAON (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - InlandWaterbodyAON (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - NaturalPoolAON (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - PipelineAON (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - PumpingStationAON (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - RiverAON (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - SabkhaAON (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - StorageTankAON (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - SwimmingPoolAON (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - WaterWellAON (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - Aquifer (Area)
 FeatureMetadata (Table) - provides metadata for - Zero or more - SurveyPoint (Point)

Feature Fence (Line)

 New ☐ Fence

A man-made barrier of relatively light structure used as an enclosure or boundary. [Description] Similar structures that are constructed of heavy materials (for example: stone, rock or masonry) are classified as walls.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Barrier Top Type	1	No Information	Enumeration	Unitless	0	The type of structure and/or material mounted on the top of a barrier (for example: a fence or a wall).
<i>allowed values:</i> Barbed Wire No Information			Chain-link Other			Concertina Wire Spiked Electrified Wire
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AL070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL070						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Fence Type	1	No Information	Enumeration	Unitless	0	The type of a fence based on the type of materials used in its construction.
<i>allowed values:</i> Barbed Wire Metal Wood							
Chain-link Netting							
Electrified Wire No Information							
Geotextile Other							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon ("."), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
Other							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False							
No Information							
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact							
Damaged No Information							
Destroyed Unmaintained							
Dismantled							
	Predominant Feature Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i> [-999999.0, -999999.0]							

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Brick No Information			Concrete Other			Masonry Stone Metal Wood
Thickness	1	-999999.0	REAL	metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: Fence (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Fence (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Fence (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Fence (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Fence (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Fence (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Fence (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Fence (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Fence (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Fence (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Fence (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Fence (Line) - is a member of group - Exactly one - StructureCrv (FeatureGroup)

Feature FerryCrossing (Line)

New ☐ Ferry Crossing

A route where a ferry crosses from one shore to another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> No Information			Other			Private Public
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ070						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

<i>allowed values:</i> <i>noInformation</i>						
Ferry Crossing Distance	1	-999999.0	REAL	metre	0	The length of a route in a body of water where a ferry crosses from one shoreline to another.
<i>allowed values:</i> <i>-999999.0</i>						
Ferry Crossing Type	1	No Information	Enumeration	Unitless	0	The type of a ferry crossing based on the maneuverability of the vessel.
<i>allowed values:</i> Cable Other			Free-moving			Ice No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> <i>No Information</i>			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999.0</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> <i>No Information</i>						
Motorized Crossing	1	No Information	Boolean	Unitless	0	An indication that a ferry is propelled across a waterbody by a motor located on either the vessel or the shore.
<i>allowed values:</i> <i>False</i>			No Information			True
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> <i>No Information</i>						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>			No Information			True
Operating Cycle	1	No Information	Enumeration	Unitless	0	The time(s) during which a feature is usable.
<i>allowed values:</i> Continuously Operating No Information Winter Season			Daytime Other			Never Operating Restricted Night-time Summer Season

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Identification <route designation>	3	No Information	String	Unitless	24	The official type(s) and/or designation(s) assigned to a route. [Description] A road network may be identified in accordance with a specified typing scheme (for example: based the nature of service that it is intended to provide) and numbering scheme (for example: composed of a prefix indicating an administrative region and then a number).
<i>allowed values:</i> No Information						
Route Identification <route designation type>	3	No Information	Enumeration	Unitless	0	The type of designation of a road network according to the nature of service that it is intended to provide, as designated by international, national and/or other administrative authorities.
<i>allowed values:</i> International No Information			Local Other			National Secondary National Motorway
New Sinuosity	1	-999999.0	Real	Metres	0	The actual path length divided by the shortest path length of a section of the road or trail allowing for estimates of speed given the curves of the roadway. [Description] This allows for routing algorithms to more precisely estimate the speed.
<i>allowed values:</i> -999999.0						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques))' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Speed Limit (KPH)	1	-999999.0	Real	Kilometre per Hour	0	The maximum vehicle speed legally permitted, expressed in kilometres per hour.
<i>allowed values:</i> -999999.0						
Speed Limit (MPH)	1	-999999.0	Real	Statute Mile per Hour	0	The maximum vehicle speed legally permitted, expressed in miles per hour.
<i>allowed values:</i> -999999.0						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> No Information Road Other Pedestrian Railway						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: FerryCrossing (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FerryCrossing (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 FerryCrossing (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 FerryCrossing (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FerryCrossing (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FerryCrossing (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FerryCrossing (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FerryCrossing (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 FerryCrossing (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FerryCrossing (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FerryCrossing (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FerryCrossing (Line) - is a member of group - Exactly one - TransportationWaterCrv (FeatureGroup)

Feature FerryCrossing (Point)

New ☐ Ferry Crossing

A route where a ferry crosses from one shore to another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> No Information Other Private Public						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

		<i>allowed values:</i> No Information Partially Operational	Non-operational Planned	Not in Operation Temporarily Non-operational	Operational	
New	Feature Code	1	AQ070	CONSTRAINED_ STRING	Unitless	5
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254
	Ferry Crossing Distance	1	-999999.0	REAL	Metre	0
	Ferry Crossing Type	1	No Information	Enumeration	Unitless	0
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless	
	Length	1	-999999.0	REAL	Metre	0
	Note : Memorandum	1	No Information	String	Unitless	2E+09
	Motorized Crossing	1	No Information	Boolean	Unitless	0
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18
	Navigation Landmark	1	No Information	Boolean	Unitless	0

Operating Cycle	1	No Information	Enumeration	Unitless	0	The time(s) during which a feature is usable.
<i>allowed values:</i> Continuously Operating No Information Winter Season			Daytime Other			Never Operating Restricted Night-time Summer Season
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Route Identification <route designation>	3	No Information	String	Unitless	24	The official type(s) and/or designation(s) assigned to a route. [Description] A road network may be identified in accordance with a specified typing scheme (for example: based the nature of service that it is intended to provide) and numbering scheme (for example: composed of a prefix indicating an administrative region and then a number).
<i>allowed values:</i> No Information						
Route Identification <route designation type>	3	No Information	Enumeration	Unitless	0	The type of designation of a road network according to the nature of service that it is intended to provide, as designated by international, national and/or other administrative authorities.
<i>allowed values:</i> International No Information			Local Other			National Secondary National Motorway
New Sinuosity	1	-999999.0	Real	Metres	0	The actual path length divided by the shortest path length of a section of the road or trail allowing for estimates of speed given the curves of the roadway. [Description] This allows for routing algorithms to more precisely estimate the speed.
<i>allowed values:</i> -999999.0						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Speed Limit (KPH)	1	-999999.0	Real	Kilometre per Hour	0	The maximum vehicle speed legally permitted, expressed in kilometres per hour.
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allowed values: -999999.0

Speed Limit (MPH)	1	-999999.0	Real	Statute Mile per Hour	0	The maximum vehicle speed legally permitted, expressed in miles per hour.
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allowed values: -999999.0

Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
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allowed values: No Information
Road

Other

Pedestrian

Railway

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: FerryCrossing (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FerryCrossing (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 FerryCrossing (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 FerryCrossing (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FerryCrossing (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FerryCrossing (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FerryCrossing (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FerryCrossing (Point) - is a member of group - Exactly one - TransportationWaterPnt (FeatureGroup)
 FerryCrossing (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 FerryCrossing (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 FerryCrossing (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature FerryStation (Area)

New ☐ Ferry Station

A location where a ferry takes on or discharges its load.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.
<u>allowed values:</u> False No Information True						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Joint Military and Civilian Military No Information Other Private Public						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Non-operational Not in Operation Operational Partially Operational Planned Temporarily Non-operational						
New Feature Code	1	AQ080	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AQ080						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Customs Checkpoint Emergency Operations Inland Waters Transport Inspection Inspection Station Meeting Place No Information Other Pedestrian Transport Postal Activities Railway Transport Restroom Road Transport Station Stop Transfer Hub Water Transport						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.	
<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information	Other
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants. [Description] For example, an apartment building consisting of multiple self-contained residences individually including spaces for personal activities, cooking, eating, sleeping, and (usually) a private bathroom, or an office building housing multiple commercial establishments individually including spaces for reception, meetings, single or open-plan work areas, as well as individual or common-use bathrooms or cafeterias.	
<i>allowed values:</i> False			No Information			True	
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False			No Information			True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll	

allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<u>allowed values:</u> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<u>allowed values:</u> No Information Road			Other			Pedestrian Railway

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformationallowed values: pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: *noInformation*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: FerryStation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FerryStation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 FerryStation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 FerryStation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FerryStation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FerryStation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FerryStation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FerryStation (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 FerryStation (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FerryStation (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FerryStation (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FerryStation (Area) - is a member of group - Exactly one - TransportationWaterSrf (FeatureGroup)

Feature FerryStation (Point)New ☐ **Ferry Station****A location where a ferry takes on or discharges its load.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> <i>No Information</i>						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> <i>False</i>			<i>No Information</i>			<i>True</i>
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> <i>-999999.0</i>						
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.
<u>allowed values:</u> <i>False</i>			<i>No Information</i>			<i>True</i>
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> <i>[-999999, -999999]</i>						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> <i>Civilian</i> <i>Other</i>			<i>Joint Military and Civilian</i> <i>Private</i>			<i>Military</i> <i>Public</i> <i>No Information</i>
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.

<i>allowed values:</i> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> <div> <div>No Information</div> <div>Partially Operational</div> </div> <div> <div>Non-operational</div> <div>Planned</div> </div> <div> <div>Not in Operation</div> <div>Temporarily Non-operational</div> </div> <div> <div>Operational</div> </div>						
New Feature Code	1	AQ080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AQ080</i>						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> <div> <div>Customs Checkpoint</div> <div>Inspection Station</div> <div>Pedestrian Transport</div> <div>Road Transport</div> <div>Water Transport</div> </div> <div> <div>Emergency Operations</div> <div>Meeting Place</div> <div>Postal Activities</div> <div>Station</div> </div> <div> <div>Inland Waters Transport</div> <div>No Information</div> <div>Railway Transport</div> <div>Stop</div> </div> <div> <div>Inspection</div> <div>Other</div> <div>Restroom</div> <div>Transfer Hub</div> </div>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> <i>noInformation</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> <div>No Information</div> <div>Other</div>						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> <div> <div>Conventional</div> <div>Native Transliterated</div> <div>Unverified Original</div> </div> <div> <div>Historical Original</div> <div>No Information</div> <div>Unverified Transliterated</div> </div> <div> <div>Historical Transliterated</div> <div>Other</div> <div>Variant Original</div> </div> <div> <div>Native Original</div> <div>Provisional</div> <div>Variant Transliterated</div> </div>						
Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> <div> <div>Bomb Shelter</div> <div>Storm Shelter</div> </div> <div> <div>Fallout Shelter</div> </div> <div> <div>No Information</div> </div> <div> <div>Other</div> </div>						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999.0</i>						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999.0</i>						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants. [Description] For example, an apartment building consisting of multiple self-contained residences individually including spaces for personal activities, cooking, eating, sleeping, and (usually) a private bathroom, or an office building housing multiple commercial establishments individually including spaces for reception, meetings, single or open-plan work areas, as well as individual or common-use bathrooms or cafeterias.
<i>allowed values:</i> False No Information True						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Dismantled Unmaintained						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> No Information Road			Other			Pedestrian Railway
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: FerryStation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FerryStation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 FerryStation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 FerryStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FerryStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FerryStation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FerryStation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FerryStation (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 FerryStation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FerryStation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FerryStation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FerryStation (Point) - is a member of group - Exactly one - TransportationWaterPnt (FeatureGroup)

Feature FireHydrant (Point)New ☐ Fire Hydrant

An apparatus for drawing water directly from a main, especially alongside a street or road, consisting of a pipe with one or more nozzles or spouts, to which a hose of a fire-engine may be attached.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AL017	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL017						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Other No Information Unverified Transliterated		Historical Original Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated		
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> <i>-999999.0</i>						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> <i>-999999.0</i>						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> <i>U</i>						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> <i>noInformation</i>						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other
Water Resource Information : Water Use	1	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational

Relationships: FireHydrant (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FireHydrant (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 FireHydrant (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 FireHydrant (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FireHydrant (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FireHydrant (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FireHydrant (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FireHydrant (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FireHydrant (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature FiringRange (Area)New ☐ Firing Range**A site designated for the purpose of discharging firearms or detonating munitions.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	FA015	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FA015						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Defence Activities Recreation			Law Enforcement			No Information Other
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Air Force Coastguard No Information			Air National Guard Joint Not Applicable			Army Marines Other
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.

<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer	
<i>allowed values:</i> noInformation							
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.	
<i>allowed values:</i> noInformation							
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	
<i>allowed values:</i> noInformation							
<i>allowed values:</i> pimGUID							
Weapons Range Type	3	No Information	Enumeration	Unitless	0	The type of a weapons range based on its intended use(s).	

allowed values:	Demolition Area No Information		Field Artillery Other		Grenade Small Arms	Impact Area Tank
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: FiringRange (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FiringRange (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 FiringRange (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 FiringRange (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FiringRange (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FiringRange (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FiringRange (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FiringRange (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FiringRange (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FiringRange (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FiringRange (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature FiringRange (Point)

New ☐ Firing Range

A site designated for the purpose of discharging firearms or detonating munitions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	FA015	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: FA015						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

	<i>allowed values:</i>	Defence Activities Recreation		Law Enforcement		No Information	Other
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i>	noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i>	No Information		Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.	
	<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999.0					
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<i>allowed values:</i>	-999999.0					
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999.0					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>	No Information					
	Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
	<i>allowed values:</i>	Air Force Coastguard No Information		Air National Guard Joint Not Applicable		Army Marines Other	Army National Guard Navy

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
<i>allowed values:</i> False No Information True						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Weapons Range Type	3	No Information	Enumeration	Unitless	0	The type of a weapons range based on its intended use(s).
<i>allowed values:</i> Demolition Area No Information						
Field Artillery						
Other						
Grenade						
Small Arms						
Impact Area						
Tank						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: FiringRange (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FiringRange (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 FiringRange (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 FiringRange (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FiringRange (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FiringRange (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FiringRange (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FiringRange (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FiringRange (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FiringRange (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FiringRange (Point) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup)

Feature FishFarmFacility (Area)New ☐ Fish Farm Facility

A facility involved in the breeding (hatching and associated activities) and cultivation (raising for release or harvesting) of fish in tanks or landlocked enclosures. [Description]
Fish species raised on fish farms include, for example, salmon, catfish, tilapia, cod, carp, and trout.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH051	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH051						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Bivalve Mollusc Mussels			Crustacean No Information			Cultivated Shellfish Fish Other Oysters
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						

Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: FishFarmFacility (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FishFarmFacility (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 FishFarmFacility (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 FishFarmFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FishFarmFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FishFarmFacility (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FishFarmFacility (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FishFarmFacility (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 FishFarmFacility (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FishFarmFacility (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FishFarmFacility (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FishFarmFacility (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature FishFarmFacility (Point)New ☐ Fish Farm Facility

A facility involved in the breeding (hatching and associated activities) and cultivation (raising for release or harvesting) of fish in tanks or landlocked enclosures. [Description]
Fish species raised on fish farms include, for example, salmon, catfish, tilapia, cod, carp, and trout.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						

	Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999.0						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private		Military Public	No Information
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	BH051	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH051						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Bivalve Mollusc Mussels			Crustacean No Information			Cultivated Shellfish Other Fish Oysters

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: FishFarmFacility (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FishFarmFacility (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 FishFarmFacility (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 FishFarmFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FishFarmFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FishFarmFacility (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FishFarmFacility (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FishFarmFacility (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 FishFarmFacility (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FishFarmFacility (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FishFarmFacility (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FishFarmFacility (Point) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup)

Feature FishingStakes (Line)New ☐ Fishing Stakes**Poles or stakes placed in shallow water to outline fishing grounds or to catch fish.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BB100	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB100						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.		
<i>allowed values:</i>	-999999.0							
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.		
<i>allowed values:</i>	-999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.		
<i>allowed values:</i>	No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.		
<i>allowed values:</i>	No Information							
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.		
<i>allowed values:</i>	Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll		
<i>allowed values:</i>	U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode		
<i>allowed values:</i>	No Information							Other
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem		
<i>allowed values:</i>	noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC		
<i>allowed values:</i>	noInformation							

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: FishingStakes (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FishingStakes (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 FishingStakes (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 FishingStakes (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FishingStakes (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FishingStakes (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FishingStakes (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FishingStakes (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)
 FishingStakes (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 FishingStakes (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature FishLadder (Line)

New ☐ Fish Ladder

A series of ascending pools constructed to enable fish to swim upstream over (or around) a dam.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	BI060	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BI060						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: FishLadder (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FishLadder (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 FishLadder (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 FishLadder (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FishLadder (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FishLadder (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FishLadder (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FishLadder (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FishLadder (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)

Feature FishWeir (Area)New ☐ Fish Weir

A fence of stakes or wall of stones set in a river or along the shore to direct fish towards fish traps or nets. [Description] The weir is shaped so as to encourage fish to naturally congregate, usually based on river or tidal flow. Although generally consisting of linear segments on rivers, in shore areas one or more components may be curved so as to form an enclosure with a narrow entrance. When constructed of stones the thickness of the wall constitutes a permanent hazard to maritime navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> No Information			Other			Private Public
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB110	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB110						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Periodic Restriction Month Interval	1	noInformation	StructuredText	Unitless	14	The month interval in which seasonal restrictions (for example: due to climate) are present. [Description] For example, a port may be closed during the months of October through April due to ice blockage. [DatatypeSpecification] A structured text value specifying a month interval. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.2.1, Calendar date - month, as a single data element comprising five characters as two pairs of digits separated by a solidus ("/") where the first [MM] digit-pair represents the ordinal number of a calendar month within the calendar year, and the second [MM] digit-pair the ordinal number of a subsequent calendar month within the same or subsequent calendar year, as 'MM/MM' (for example: '03/09' for March through September). Either of the months may be left unspecified by the use of '--' (for example: '11/--' for November through an unspecified ending month).
<i>allowed values:</i> noInformation						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: FishWeir (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FishWeir (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 FishWeir (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 FishWeir (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FishWeir (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FishWeir (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FishWeir (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FishWeir (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FishWeir (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FishWeir (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature FishWeir (Point)

New ☐ Fish Weir

A fence of stakes or wall of stones set in a river or along the shore to direct fish towards fish traps or nets. [Description] The weir is shaped so as to encourage fish to naturally congregate, usually based on river or tidal flow. Although generally consisting of linear segments on rivers, in shore areas one or more components may be curved so as to form an enclosure with a narrow entrance. When constructed of stones the thickness of the wall constitutes a permanent hazard to maritime navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> No Information			Other			Private Public
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB110	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB110						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Periodic Restriction Month Interval	1	noInformation	StructuredText	Unitless	14	The month interval in which seasonal restrictions (for example: due to climate) are present. [Description] For example, a port may be closed during the months of October through April due to ice blockage. [DatatypeSpecification] A structured text value specifying a month interval. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.2.1, Calendar date - month, as a single data element comprising five characters as two pairs of digits separated by a solidus ('/') where the first [MM] digit-pair represents the ordinal number of a calendar month within the calendar year, and the second [MM] digit-pair the ordinal number of a subsequent calendar month within the same or subsequent calendar year, as 'MM/MM' (for example: '03/09' for March through September). Either of the months may be left unspecified by the use of '--' (for example: '11/--' for November through an unspecified ending month).
<i>allowed values:</i> noInformation						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> <div>Construction</div> <div>Intact</div> <div>Damaged</div> <div>No Information</div> <div>Destroyed</div> <div>Unmaintained</div> <div>Dismantled</div>						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: FishWeir (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FishWeir (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 FishWeir (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 FishWeir (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FishWeir (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FishWeir (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FishWeir (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FishWeir (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 FishWeir (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FishWeir (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FishWeir (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FishWeir (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature Flagpole (Point)

New ☐ Flagpole

A staff or pole on which a flag is raised.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.

allowed values: <i>noInformation</i>							
New	Feature Code	1	AL073	CONSTRAINED_ STRING	Unitless	5	Feature Code
allowed values: <i>AL073</i>							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
allowed values: <i>noInformation</i>							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: <i>No Information</i>							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: <i>No Information</i> <i>Other</i>							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: <i>Conventional</i> <i>Historical Original</i> <i>Historical Transliterated</i> <i>Native Original</i> <i>Native Transliterated</i> <i>No Information</i> <i>Other</i> <i>Provisional</i> <i>Unverified Original</i> <i>Unverified Transliterated</i> <i>Variant Original</i> <i>Variant Transliterated</i>							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: <i>-999999.0</i>							
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
allowed values: <i>-999999.0</i>							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: <i>-999999.0</i>							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: <i>No Information</i>							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: <i>No Information</i>							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: <i>False</i> <i>No Information</i> <i>True</i>							

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Relationships: Flagpole (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Flagpole (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Flagpole (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Flagpole (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Flagpole (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Flagpole (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Flagpole (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Flagpole (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Flagpole (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Flagpole (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Flagpole (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Flagpole (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature FlarePipe (Point)New ☐ Flare Pipe**An open-ended pipe at which waste gases are burned.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AF070						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Guyed	1	No Information	Boolean	Unitless	0	An indication that an object is guided, secured, or steadied by guy wires.
	<i>allowed values:</i> False			No Information			True
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
	<i>allowed values:</i> At Shoreline			Inland			No Information Offshore
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Concrete Other			Masonry Steel			Metal No Information
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: FlarePipe (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FlarePipe (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 FlarePipe (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 FlarePipe (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FlarePipe (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FlarePipe (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FlarePipe (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FlarePipe (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 FlarePipe (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FlarePipe (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FlarePipe (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FlarePipe (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature FloatingDryDock (Area)

New ☐ Floating Dry Dock

A form of dry dock consisting of a floating structure of one or more sections which can be partly submerged by controlled flooding to receive a vessel, then raised by pumping out the water so that the vessel's bottom can be exposed.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	BB199	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB199							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information		Other					
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged No Information						
Destroyed Unmaintained						
Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	2	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.

<i>allowed values:</i> No Information			Other			Steel	Wood
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	
<i>allowed values:</i> noInformation							
<i>allowed values:</i> pimGUID							
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999.0

Relationships: FloatingDryDock (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FloatingDryDock (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 FloatingDryDock (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 FloatingDryDock (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FloatingDryDock (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FloatingDryDock (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FloatingDryDock (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FloatingDryDock (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FloatingDryDock (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FloatingDryDock (Area) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup)

Feature FloodControlStructure (Area) New ☐ Flood Control Structure

An artificial structure or gate that is utilized as a defense against flooding or storm surges. [Description] Consideration should be given to using the more specific Dam or Embankment features where appropriate in lieu of Flood Control Structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	BI044	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BI044						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Flood Control Structure Type	1	No Information	Enumeration	Unitless	0	The type of a flood control structure based on its structure and/or intended use.
	<u>allowed values:</u> Dyke Gate Movable Barrage Emergency Gate No Information Fixed Barrage Other Flood Gate						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information Other						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original Historical Original No Information Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated						
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.

allowed values: Brick
No Information
Rock
Wood

Concrete
Other
Soil

Gravel
Prestressed Concrete
Steel

Masonry
Reinforced Concrete
Treated Timber

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: FloodControlStructure (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
FloodControlStructure (Area) - has dataset metadata in - Zero or one - Dataset (Area)
FloodControlStructure (Area) - has dataset metadata in - Zero or one - Dataset (Table)
FloodControlStructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
FloodControlStructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
FloodControlStructure (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
FloodControlStructure (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
FloodControlStructure (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
FloodControlStructure (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
FloodControlStructure (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature FloodControlStructure (Line)

New ☐ Flood Control Structure

An artificial structure or gate that is utilized as a defense against flooding or storm surges. [Description] Consideration should be given to using the more specific Dam or Embankment features where appropriate in lieu of Flood Control Structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
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allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: noInformation

	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BI044	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BI044						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Flood Control Structure Type	1	No Information	Enumeration	Unitless	0	The type of a flood control structure based on its structure and/or intended use.
	<i>allowed values:</i> Dyke Gate Movable Barrage			Emergency Gate No Information			Fixed Barrage Other Flood Gate
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>	Brick No Information Rock Wood		Concrete Other Soil			Gravel Prestressed Concrete Steel Masonry Reinforced Concrete Treated Timber
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i>	noInformation					
<i>allowed values:</i>	pimGUID					
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: FloodControlStructure (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FloodControlStructure (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 FloodControlStructure (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 FloodControlStructure (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FloodControlStructure (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FloodControlStructure (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FloodControlStructure (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FloodControlStructure (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FloodControlStructure (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)

Feature FloodControlStructure (Point)

New ☐ Flood Control Structure

An artificial structure or gate that is utilized as a defense against flooding or storm surges. [Description] Consideration should be given to using the more specific Dam or Embankment features where appropriate in lieu of Flood Control Structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i>	-999999.0					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	[-999999, -999999]					
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i>	noInformation					

	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BI044	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BI044						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Flood Control Structure Type	1	No Information	Enumeration	Unitless	0	The type of a flood control structure based on its structure and/or intended use.
	<i>allowed values:</i> Dyke Gate Movable Barrage			Emergency Gate No Information			Fixed Barrage Other Flood Gate
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
allowed values:	Brick No Information Rock Wood		Concrete Other Soil			Gravel Prestressed Concrete Steel Masonry Reinforced Concrete Treated Timber
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
allowed values:	noInformation					
allowed values:	pimGUID					
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: FloodControlStructure (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FloodControlStructure (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 FloodControlStructure (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 FloodControlStructure (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FloodControlStructure (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FloodControlStructure (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FloodControlStructure (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FloodControlStructure (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 FloodControlStructure (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FloodControlStructure (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature Ford (Area)

New ☐ Ford

A shallow place in a body of water used as a crossing.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values:	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values:	noInformation					
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
allowed values:	Bedrock Other Sand		Clay and Silt Paved Sand and Gravel			Gravel and Cobble Peat Silty Sands No Information Rocks and Boulders
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values:	[-999999, -999999]					
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.

<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Non-operational Not in Operation Operational						
Partially Operational Planned Temporarily Non-operational						
New Feature Code	1	BH070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH070						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Historical Original Historical Transliterated Native Original						
Native Transliterated No Information Other Provisional						
Unverified Original Unverified Transliterated Variant Original Variant Transliterated						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Damaged Destroyed Dismantled						
Intact No Information Unmaintained						
Predominant Average Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
<i>allowed values:</i>	Aggregate		Asphalt			Asphalt over Concrete
	Brick		Cobble-stone			Concrete
	Flexible Pavement		Ice			Macadam
	No Information		Other			Rigid Pavement
	Stabilized Earth		Unimproved			Wood
						Bound Surface
						Corduroy
						Metal
						Snow
						Wood Plank
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.

allowed values:	Caravan Route		Drove			No Information		Other
	Pack-road		Pedestrian			Pipeline Maintenance		Portage
	Power Line Maintenance		Road					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).		

allowed values: noInformation**allowed values:** pimGUID

Waterbody Depth	1	-999999.0	REAL	Metre	0	The distance, measured vertically upward, from the bottom of an inland waterbody to a reference level datum.		
allowed values: -999999.0								
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.		

allowed values: -999999.0

Relationships: Ford (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Ford (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Ford (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Ford (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Ford (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Ford (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Ford (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Ford (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Ford (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature Ford (Line)

New ☐ Ford**A shallow place in a body of water used as a crossing.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
allowed values:						
Bedrock			Clay and Silt			Gravel and Cobble
Other			Paved			Peat
Sand			Sand and Gravel			Silty Sands
allowed values: Bedrock						No Information
allowed values: Other						Rocks and Boulders
allowed values: Sand						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						

	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i>	No Information		Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BH070	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	BH070					
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i>	noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i>	No Information		Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999.0					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>	No Information					
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i>	No Information					
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
	Predominant Average Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
	<i>allowed values:</i>	-999999.0					

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
<i>allowed values:</i>	Aggregate		Asphalt			Asphalt over Concrete
	Brick		Cobble-stone			Concrete
	Flexible Pavement		Ice			Macadam
	No Information		Other			Rigid Pavement
	Stabilized Earth		Unimproved			Wood
						Bound Surface
						Corduroy
						Metal
						Snow
						Wood Plank
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.

allowed values:	Caravan Route		Drove		No Information		Other
	Pack-road		Pedestrian		Pipeline Maintenance		Portage
	Power Line Maintenance		Road				
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	

allowed values: noInformation**allowed values:** pimGUID

Waterbody Depth	1	-999999.0	REAL	Metre	0	The distance, measured vertically upward, from the bottom of an inland waterbody to a reference level datum.	
allowed values: -999999.0							
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999.0

Relationships: Ford (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Ford (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Ford (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Ford (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Ford (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Ford (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Ford (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Ford (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Ford (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Ford (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Ford (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Ford (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature Ford (Point)New ☐ Ford**A shallow place in a body of water used as a crossing.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
allowed values:			Clay and Silt			Gravel and Cobble
			Paved			Peat
			Sand and Gravel			Rocks and Boulders
						Silty Sands
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BH070	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH070						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Predominant Average Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.

allowed values: -999999.0

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer
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allowed values: noInformation

Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
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allowed values: Aggregate

Brick

Flexible Pavement

No Information

Stabilized Earth

Asphalt

Cobble-stone

Ice

Other

Unimproved

Asphalt over Concrete

Concrete

Macadam

Rigid Pavement

Wood

Bound Surface

Corduroy

Metal

Snow

Wood Plank

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
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allowed values:	Caravan Route		Drove		No Information		Other
	Pack-road		Pedestrian		Pipeline Maintenance		Portage
	Power Line Maintenance		Road				
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	

allowed values: noInformation**allowed values:** pimGUID

Waterbody Depth	1	-999999.0	REAL	Metre	0	The distance, measured vertically upward, from the bottom of an inland waterbody to a reference level datum.	
allowed values: -999999.0							
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999.0

Relationships: Ford (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Ford (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Ford (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Ford (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Ford (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Ford (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Ford (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Ford (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Ford (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Ford (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Ford (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Ford (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature Foreshore (Area) New ☐ Foreshore

The part of the shore or beach which lies between the low water mark and the upper limit of normal wave action.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						
New Feature Code	1	BA023	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BA023						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Maritime Bottom Characteristic (first material quality)	1	No Information	Enumeration	Unitless	0	The physical characteristic(s) (for example: particle size, morphology or consistency) of the primary type of material composing a feature. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
	<u>allowed values:</u> Bare Decayed Gritty Large Other Soft Streaky			Broken Fine Ground Medium Rocky Speckled Tenacious			Calcareous Flinty Hard Mobile Bottom Rotten Sticky Varied Coarse Glacial Irregular No Information Small Stiff Volcanic
	<u>allowed values:</u> Bare Decayed Gritty Large Other Soft Streaky			Broken Fine Ground Medium Rocky Speckled Tenacious			Calcareous Flinty Hard Mobile Bottom Rotten Sticky Varied Coarse Glacial Irregular No Information Small Stiff Volcanic
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMClassificationAll

allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Maritime Bottom Characteristic (First Sediment Colour)	1	No Information	Enumeration	Unitless	0	The general colour of a waterbody sediment based on the Geological Society of America (GSA) rock colour chart and the Munsell colour system. [Description] The Munsell system is based on a colour solid, or approximately a colour sphere, which has a neutral gray central axis grading from white at the top to black at the bottom. This property of lightness is called value. Around the circumference or equator of the solid are the ten major hues, each of which is divided into ten numbered divisions, so that 5 marks the middle of the hue, and 10 marks the boundary between one hue and the next. Thus, any particular hue can be designated by a number and a letter such as 5R or 10YR. Any single vertical section through the neutral gray axis and a particular hue constitutes a colour chart on which the colors grade in value from light at the top to dark at the bottom, and in chroma (degree of saturation) from gray at one edge to the most vivid colors out at the margin. Both value and chroma are numbered so any particular colour can be given a numerical designation representing hue, value, and chroma such as 5R 6/4 and 10YR 8/2. Colour names are based on the Inter-Society Color Council-National Bureau of Standards system of names.
<i>allowed values:</i>						
Black			Brilliant Green			Dark Greenish Yellow
Dark Yellowish Green			Dusky Blue Green			Dusky Red
Dusky Yellow			Dusky Yellowish Green			Grayish Orange Pink
Grayish Red			Grayish Yellow			Greenish Olive
Light Blue Green			Light Green			Light Olive Brown
Light Red			Light Yellowish Green			Moderate Green
Moderate Greenish Yellow			Moderate Olive Brown			Moderate Pink
Moderate Red			Moderate Reddish Brown			Moderate Yellow
Moderate Yellowish Green			No Information			Pale Grayish Green
Pale Green			Pale Greenish Yellow			Pale Pink
Pale Purple			Pale Red			Pale Reddish Brown
Pale Yellowish Green			Very Dark Red			Very Dusky Red
Very Dusky Red Purple			Very Pale Green			White

<i>allowed values:</i>	Black	Brilliant Green	Dark Greenish Yellow	Dark Reddish Brown		
	Dark Yellowish Green	Dusky Blue Green	Dusky Green	Dusky Red		
	Dusky Yellow	Dusky Yellowish Green	Grayish Green	Grayish Orange Pink		
	Grayish Red	Grayish Yellow	Grayish Yellowish Green	Greenish Olive		
	Light Blue Green	Light Green	Light Olive	Light Olive Brown		
	Light Red	Light Yellowish Green	Moderate Grayish Green	Moderate Green		
	Moderate Greenish Yellow	Moderate Olive Brown	Moderate Orange Pink	Moderate Pink		
	Moderate Red	Moderate Reddish Brown	Moderate Reddish Orange	Moderate Yellow		
	Moderate Yellowish Green	No Information	Other	Pale Grayish Green		
	Pale Green	Pale Greenish Yellow	Pale Olive	Pale Pink		
	Pale Purple	Pale Red	Pale Red Purple	Pale Reddish Brown		
	Pale Yellowish Green	Very Dark Red	Very Dusky Purple	Very Dusky Red		
	Very Dusky Red Purple	Very Pale Green	White			
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Maritime Bottom Characteristic (First Material Type)	1	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>	Ash	Bedrock	Boulders	Calcareous		
	Chalk	Cinders	Cirripedia	Clay		
	Cobbles	Conglomerate	Coral	Coral Head		
	Diatomaceous Earth	Foraminifera	Frozen Water	Fucus		
	Gravel	Ground Shell	Lava	Loess		
	Madrepore	Manganese	Marl	Matte		
	Mud	Mussels	No Information	Ooze		
	Other	Oysters	Pebbles	Plant Material		
	Pumice	Quartz	Radiolaria	Rock		
	Sand	Schist	Scoria	Sea Moss		
	Shell	Shingle	Silt	Soil		
	Spicules	Sponge	Stone	Tufa		
	Volcanic Ash					
<i>allowed values:</i>	Ash	Bedrock	Boulders	Calcareous		
	Chalk	Cinders	Cirripedia	Clay		
	Cobbles	Conglomerate	Coral	Coral Head		
	Diatomaceous Earth	Foraminifera	Frozen Water	Fucus		
	Gravel	Ground Shell	Lava	Loess		
	Madrepore	Manganese	Marl	Matte		
	Mud	Mussels	No Information	Ooze		
	Other	Oysters	Pebbles	Plant Material		
	Pumice	Quartz	Radiolaria	Rock		
	Sand	Schist	Scoria	Sea Moss		
	Shell	Shingle	Silt	Soil		
	Spicules	Sponge	Stone	Tufa		
	Volcanic Ash					

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: Foreshore (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Foreshore (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Foreshore (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Foreshore (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Foreshore (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Foreshore (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Foreshore (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Foreshore (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)
 Foreshore (Area) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 Foreshore (Area) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 Foreshore (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Foreshore (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Forest (Area)

New ☐ Forest

A tract of land primarily covered by trees and undergrowth. [Description] The area is sometimes mixed with pasture.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Canopy Cover	1	-999999.0	REAL	percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999.0						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	EC015	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EC015						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<i>allowed values:</i> Deciduous Other			Evergreen			Mixed No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Predominant Vegetation Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
<i>allowed values:</i> -999999.0						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Shelter Belt	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a linear stand of trees) functions as a shelter belt, protecting other features (for example: roads, railways, cropland, and/or structures) from the effects of adverse weather.
<i>allowed values:</i> False			No Information			True
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Stem Diameter	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<i>allowed values:</i> [-999999.0, -999999.0]						
Tree Spacing	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
<i>allowed values:</i> [-999999.0, -999999.0]						
Undergrowth Density	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999.0, -999999.0]						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<i>allowed values:</i> Casuarina Filao						
Conifer						
Cypress						
Eucalyptus						
No Information						
Other						
Palm						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Forest (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Forest (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Forest (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Forest (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Forest (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Forest (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Forest (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Forest (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Forest (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Forest (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Forest (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Forest (Area) - is a member of group - Exactly one - VegetationSrf (FeatureGroup)

Feature Forest (Line)

New ☐ Forest

A tract of land primarily covered by trees and undergrowth. [Description] The area is sometimes mixed with pasture.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Canopy Cover	1	-999999.0	REAL	percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999.0						

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<u>allowed values:</u> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
New	Feature Code	1	EC015	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> EC015						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
	<u>allowed values:</u> Deciduous Other			Evergreen			Mixed No Information
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Predominant Vegetation Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Shelter Belt	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a linear stand of trees) functions as a shelter belt, protecting other features (for example: roads, railways, cropland, and/or structures) from the effects of adverse weather.
<i>allowed values:</i> False			No Information			True

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Stem Diameter	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<i>allowed values:</i> [-999999.0, -999999.0]						
Tree Spacing	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
<i>allowed values:</i> [-999999.0, -999999.0]						
Undergrowth Density	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<i>allowed values:</i> <div>Casuarina</div> <div>Filao</div> <div>Conifer</div> <div>No Information</div> <div>Cypress</div> <div>Other</div> <div>Eucalyptus</div> <div>Palm</div>						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Forest (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Forest (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Forest (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Forest (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Forest (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Forest (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Forest (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Forest (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Forest (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Forest (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Forest (Line) - is a member of group - Exactly one - VegetationCrv (FeatureGroup)

Feature ForestClearing (Area)New ☐ Forest Clearing

A site in a forest or wood(s) that has been cleared, often for slash and burn agriculture and/or as a result of clear-cutting logging. [Description] May also occur from natural causes such as a forest fire.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	EC060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EC060						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional		Historical Original			Historical Transliterated	Native Original
	Native Transliterated		No Information			Other	Provisional
	Unverified Original		Unverified Transliterated			Variant Original	Variant Transliterated
Length		1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group <resource classification>		1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator		1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information				Other			
Restriction Information : Security Attributes Group <resource dissemination controls>		1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISDissem
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>		1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISNonIC
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>		1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISOwnerProducer
<i>allowed values:</i> noInformation							

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: ForestClearing (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ForestClearing (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ForestClearing (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ForestClearing (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ForestClearing (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ForestClearing (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ForestClearing (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ForestClearing (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ForestClearing (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ForestClearing (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ForestClearing (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ForestClearing (Area) - is a member of group - Exactly one - VegetationSrf (FeatureGroup)

Feature FortifiedBuilding (Area)

New ☐ Fortified Building

A building that is specifically designed or reinforced to provide for defense from armed attack.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.
<i>allowed values:</i> False No Information True						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Cinders No Byproduct No Information Other Radioactive Material Refuse Scrap-metal Sewage Slag						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Joint Military and Civilian Military No Information Other Private Public						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Non-operational Not in Operation Operational Partially Operational Planned Temporarily Non-operational						
New Feature Code	1	AH055	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AH055						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

allowed values:

Accommodation
 Advertising
 Aircraft Manufacture
 Animal Feed Manufacture
 Architecture Consulting
 Banquet Hall
 Botanical and/or Zoological Reserve Activities
 Business Management
 Cargo Handling
 Central Banking
 Cinema
 Climate Control
 Communal Bath
 Convenience Store
 Cremation
 Dairying
 Dependents Housing
 Dormitory
 Electronic Equipment Manufacture
 Emergency Relief Services
 Engineering Design
 Financial Market Administration
 Fitness Centre
 Footwear Manufacturing
 Fruit and/or Vegetable Processing
 Gambling
 Glass Product Manufacture
 Grocery
 Harbour Control
 Higher Education
 Hotel
 Ice Manufacture
 Inland Waters Transport
 Insurance
 Judicial Activities
 Law Enforcement
 Leprosy Care
 Machinery Manufacture
 Manufacturing
 Materials Recovery
 Meeting Place
 Metal Refining
 Mineral Mining
 Mobile Phone Service
 Motor Vehicle Parking
 Museum
 Night Club
 Nuclear Research Centre
 Opera House
 Palace
 Petrol Sale
 Pet-shop
 Pipeline Transport
 Port Control
 Prepared Meal Manufacture
 Printing

Accounting
 Agriculture
 Aircraft Repair
 Apparel Manufacture
 Armory
 Bar
 Branch Telephone Exchange
 Call Centre
 CBRNE Civilian Support
 Ceramic Product Manufacture
 Civil Activities
 Club
 Community Centre
 Convention Centre
 Cultural, Arts and Entertainment
 Day Care
 Dining Hall
 Education
 Electronic Equipment Repair
 Emergency Shelter
 Executive Activities
 Financial Services
 Food Processing
 Forest Warden
 Fund Management
 Game and/or Toy Manufacture
 Government
 Growing of Crops
 Head Office
 Hobbies and/or Leisure Activities
 Human Health Activities
 Immigration Control
 In-patient Care
 Intermediate Care
 Juvenile Corrections
 Leather Product Manufacture
 Library
 Machinery Repair
 Maritime Defense
 Meat Processing
 Membership Organization
 Military Recruitment
 Mining and Quarrying
 Mortuary Services
 Motor Vehicle Rental
 Musical Instrument Manufacture
 No Information
 Observation Station
 Ore Dressing
 Paper-mill
 Petroleum and Coal Products Manufacturing
 Pharmacy
 Place of Worship
 Postal Activities
 Primary Education
 Professional, Scientific and Technical

Administration
 Air Traffic Control
 Amusement
 Aquaculture
 Auditorium
 Beauty Treatment
 Brewing
 Canal Transport
 Cement Mill
 Chemical Manufacture
 Civil Intelligence
 Coke Manufacture
 Confection Manufacture
 Cooling
 Custodial Service
 Death Care Services
 Diplomacy
 Electrical Equipment Manufacture
 Embassy
 Emergency Youth Shelter
 Fabricated Metal Product Manufacture
 Firefighting
 Food Product Manufacture
 Forestry and/or Logging
 Funeral Services
 Gas Oil Separation
 Grain Milling
 Guard
 Headquarters
 Homeless Shelter
 Human Tissue Repository
 Imprisonment
 Inspection
 Islamic Prayer Hall
 Landscaping Service
 Legal Activities
 Local Government
 Mail and Package Transport
 Maritime Pilotage
 Medical and/or Dental Equipment Manufacture
 Metal Ore Mining
 Military Reserve Activities
 Miscellaneous Manufacturing
 Motel
 Motor Vehicle Repair
 National Government
 Nonmetallic Mineral Product Manufacturing
 Office Administration
 Other
 Pasta Manufacture
 Petroleum and/or Gas Extraction
 Photography
 Plastic Product Manufacture
 Power Generation
 Primary Metal Manufacturing
 Propane Sale

Adult Entertainment
 Air Transport
 Animal Boarding
 Aquarium
 Baking
 Beverage Manufacture
 Business and Personal Support Services
 Capitol
 Cement Product Manufacture
 Chemical Mining
 Clay Product Manufacture
 Commerce
 Consul
 Courier Activities
 Customs Checkpoint
 Defence Activities
 Diplomatic Mission
 Electrical Equipment Repair
 Emergency Operations
 Employment Agency
 Fabricated Metal Product Repair
 Fishing
 Food Service
 Foundry
 Furniture Manufacture
 General Repair
 Grazing
 Guest-house
 Heating
 Hostel
 Hunting
 Information Service
 Inspection Station
 Jewellery Manufacture
 Laundry
 Legislative Activities
 Long-term Accommodation
 Main Telephone Exchange
 Market
 Medicinal Product Manufacture
 Metal Product Manufacturing
 Military Vehicle Manufacture
 Mixed Farming
 Motor Vehicle Manufacture
 Munitions Manufacture
 Navigation
 Non-specialized Store
 Oil-mill
 Out-patient Care
 Pedestrian Transport
 Petroleum Refining
 Pilot Station
 Polling Station
 Precious Metal Merchant
 Print Publishing
 Psychiatric In-patient Care

Public Administration
Public Records
Railway Passenger Transport
Raising of Animals
Refugee Shelter
Residential Care
Retail Banking
Road Passenger Transport
Sales Yard
Scientific Research and Development
Security Enforcement
Ship Construction
Signalling
Solid Mineral Fuel Mining
Sports Goods Manufacture
Stone Product Manufacture
Subnational Government
Surveying
Textile Manufacture
Transfer Hub
Transportation Hub
Utilities
Warehousing and Storage
Water Supply
Wholesale Merchant
Wired Telecommunications
Wooden Construction Product Manufacture

Public Health Activities
Publishing and Broadcasting
Railway Transport
Real Estate Activities
Religious Activities
Resort
Retail Sale
Road Transport
Satellite Ground Control
Seafood Processing
Security Services
Ship Repair
Silviculture
Specialized Store
Sports, Amusement and Recreation
Stop
Sugar Manufacture
Telecommunications
Textile, Apparel and Leather Manufacture
Transport
Transportation Support
Vacation Cottage
Waste Treatment and Disposal
Water Transport
Wind Tunnel
Wireless Repeater
Yacht-club

Public Order
Pumping
Railway Vehicle Manufacture
Recreation
Rescue and Paramedical Services
Restaurant
Retail Telecommunications
Rubber Product Manufacture
Satellite Telecommunications
Secondary Education
Sewerage
Shooting Range
Social Work
Spirit Distillery
Station
Storage of Human Remains
Sugar Milling
Television Broadcasting
Theatre
Transport System Maintenance
Travel Agency
Veterinary
Water Collection
Water Treatment
Winery
Wireless Telecommunications

Public Order, Safety and Security Services
Radio Broadcasting
Railway Vehicle Repair
Refractory Product Manufacture
Residence
Restroom
Road Freight Transport
Safety
Sawmilling
Security Brokerage
Sewerage Screening
Short-term Accommodation
Soft Drink Manufacture
Sports Centre
Steel Mill
Structural Metal Product Manufacture
Sugar Refining
Terminal
Tobacco Product Manufacture
Transportation Equipment Manufacturing
Urgent Medical Care
Vocational Education
Water Distribution
Weather Station
Wired Repeater
Wood-based Manufacturing

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Floor Count	1	-999999	Integer	unitless	0	The number of floors in a structure (for example: a building).
	<i>allowed values:</i> -999999						
	Fortified Building Type	1	No Information	Enumeration	Unitless	0	The type of a building that is fortified or reinforced to provide for defense from armed attack.
	<i>allowed values:</i> Blockhouse No Information			Casement Non-specific Fortified			Keep Other Martello Tower Pillbox
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.	
<i>allowed values:</i>	Bomb Shelter Storm Shelter		Fallout Shelter			No Information	Other
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i>	-999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i>	-999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i>	-999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i>	No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).	
<i>allowed values:</i>	Air Force Marines		Army Navy			Coastguard No Information	Joint Other
Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants. [Description] For example, an apartment building consisting of multiple self-contained residences individually including spaces for personal activities, cooking, eating, sleeping, and (usually) a private bathroom, or an office building housing multiple commercial establishments individually including spaces for reception, meetings, single or open-plan work areas, as well as individual or common-use bathrooms or cafeterias.	
<i>allowed values:</i>	False		No Information			True	
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i>	No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i>	False		No Information			True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.	

allowed values:	Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc	Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water	Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Other Petroleum Plastic Rubber Snow Tobacco Whale Products	Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine		
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
allowed values:	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead No Information Other Plastic Silver Textile Water		
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
allowed values:	Depressed	Level	No Information			Raised
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
allowed values:	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values:	No Information	Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem

allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation**allowed values:* *pimGUID*

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Adobe Brick Fibreglass Metal Plant Material Steel			Aluminum Glass Mud-based Construction Prestressed Concrete Stone			Brick Iron No Information Reinforced Concrete Treated Timber Concrete Masonry Other Sod Wood

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: *noInformation*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

New	Window Type	1	No Information	Enumeration	Unitless	0	Type of Window
	<i>allowed values:</i>	No Information Plastic with Bars		Open with Bars Plastic without Bars			Open without Bars Other
New	Windows Per Story	1	-999999	Integer	Unitless	0	Number of windows per story
	<i>allowed values:</i>	-999999					
	Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
	<i>allowed values:</i>	Cellular Phone Other Television (TV)		Microwave Radio Relay Radio Broadcast		Mobile Phone Radio Telephone	No Information Radio-telegraph

Relationships: FortifiedBuilding (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FortifiedBuilding (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 FortifiedBuilding (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 FortifiedBuilding (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FortifiedBuilding (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FortifiedBuilding (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FortifiedBuilding (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FortifiedBuilding (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 FortifiedBuilding (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FortifiedBuilding (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FortifiedBuilding (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FortifiedBuilding (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature FortifiedBuilding (Point) New ☐ Fortified Building

A building that is specifically designed or reinforced to provide for defense from armed attack.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i>	No Information					
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i>	False		No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i>	-999999.0					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.
<i>allowed values:</i>	False		No Information			True
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.

<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse	No Information Scrap-metal
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]							
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public	No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AH055	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AH055							
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

allowed values:

Accommodation
 Advertising
 Aircraft Manufacture
 Animal Feed Manufacture
 Architecture Consulting
 Banquet Hall
 Botanical and/or Zoological Reserve Activities
 Business Management
 Cargo Handling
 Central Banking
 Cinema
 Climate Control
 Communal Bath
 Convenience Store
 Cremation
 Dairying
 Dependents Housing
 Dormitory
 Electronic Equipment Manufacture
 Emergency Relief Services
 Engineering Design
 Financial Market Administration
 Fitness Centre
 Footwear Manufacturing
 Fruit and/or Vegetable Processing
 Gambling
 Glass Product Manufacture
 Grocery
 Harbour Control
 Higher Education
 Hotel
 Ice Manufacture
 Inland Waters Transport
 Insurance
 Judicial Activities
 Law Enforcement
 Leprosy Care
 Machinery Manufacture
 Manufacturing
 Materials Recovery
 Meeting Place
 Metal Refining
 Mineral Mining
 Mobile Phone Service
 Motor Vehicle Parking
 Museum
 Night Club
 Nuclear Research Centre
 Opera House
 Palace
 Petrol Sale
 Pet-shop
 Pipeline Transport
 Port Control
 Prepared Meal Manufacture
 Printing

Accounting
 Agriculture
 Aircraft Repair
 Apparel Manufacture
 Armory
 Bar
 Branch Telephone Exchange
 Call Centre
 CBRNE Civilian Support
 Ceramic Product Manufacture
 Civil Activities
 Club
 Community Centre
 Convention Centre
 Cultural, Arts and Entertainment
 Day Care
 Dining Hall
 Education
 Electronic Equipment Repair
 Emergency Shelter
 Executive Activities
 Financial Services
 Food Processing
 Forest Warden
 Fund Management
 Game and/or Toy Manufacture
 Government
 Growing of Crops
 Head Office
 Hobbies and/or Leisure Activities
 Human Health Activities
 Immigration Control
 In-patient Care
 Intermediate Care
 Juvenile Corrections
 Leather Product Manufacture
 Library
 Machinery Repair
 Maritime Defense
 Meat Processing
 Membership Organization
 Military Recruitment
 Mining and Quarrying
 Mortuary Services
 Motor Vehicle Rental
 Musical Instrument Manufacture
 No Information
 Observation Station
 Ore Dressing
 Paper-mill
 Petroleum and Coal Products Manufacturing
 Pharmacy
 Place of Worship
 Postal Activities
 Primary Education
 Professional, Scientific and Technical

Administration
 Air Traffic Control
 Amusement
 Aquaculture
 Auditorium
 Beauty Treatment
 Brewing
 Canal Transport
 Cement Mill
 Chemical Manufacture
 Civil Intelligence
 Coke Manufacture
 Confection Manufacture
 Cooling
 Custodial Service
 Death Care Services
 Diplomacy
 Electrical Equipment Manufacture
 Embassy
 Emergency Youth Shelter
 Fabricated Metal Product Manufacture
 Firefighting
 Food Product Manufacture
 Forestry and/or Logging
 Funeral Services
 Gas Oil Separation
 Grain Milling
 Guard
 Headquarters
 Homeless Shelter
 Human Tissue Repository
 Imprisonment
 Inspection
 Islamic Prayer Hall
 Landscaping Service
 Legal Activities
 Local Government
 Mail and Package Transport
 Maritime Pilotage
 Medical and/or Dental Equipment Manufacture
 Metal Ore Mining
 Military Reserve Activities
 Miscellaneous Manufacturing
 Motel
 Motor Vehicle Repair
 National Government
 Nonmetallic Mineral Product Manufacturing
 Office Administration
 Other
 Pasta Manufacture
 Petroleum and/or Gas Extraction
 Photography
 Plastic Product Manufacture
 Power Generation
 Primary Metal Manufacturing
 Propane Sale

Adult Entertainment
 Air Transport
 Animal Boarding
 Aquarium
 Baking
 Beverage Manufacture
 Business and Personal Support Services
 Capitol
 Cement Product Manufacture
 Chemical Mining
 Clay Product Manufacture
 Commerce
 Consul
 Courier Activities
 Customs Checkpoint
 Defence Activities
 Diplomatic Mission
 Electrical Equipment Repair
 Emergency Operations
 Employment Agency
 Fabricated Metal Product Repair
 Fishing
 Food Service
 Foundry
 Furniture Manufacture
 General Repair
 Grazing
 Guest-house
 Heating
 Hostel
 Hunting
 Information Service
 Inspection Station
 Jewellery Manufacture
 Laundry
 Legislative Activities
 Long-term Accommodation
 Main Telephone Exchange
 Market
 Medicinal Product Manufacture
 Metal Product Manufacturing
 Military Vehicle Manufacture
 Mixed Farming
 Motor Vehicle Manufacture
 Munitions Manufacture
 Navigation
 Non-specialized Store
 Oil-mill
 Out-patient Care
 Pedestrian Transport
 Petroleum Refining
 Pilot Station
 Polling Station
 Precious Metal Merchant
 Print Publishing
 Psychiatric In-patient Care

Public Administration	Public Health Activities	Public Order	Public Order, Safety and Security Services
Public Records	Publishing and Broadcasting	Pumping	Radio Broadcasting
Railway Passenger Transport	Railway Transport	Railway Vehicle Manufacture	Railway Vehicle Repair
Raising of Animals	Real Estate Activities	Recreation	Refractory Product Manufacture
Refugee Shelter	Religious Activities	Rescue and Paramedical Services	Residence
Residential Care	Resort	Restaurant	Restroom
Retail Banking	Retail Sale	Retail Telecommunications	Road Freight Transport
Road Passenger Transport	Road Transport	Rubber Product Manufacture	Safety
Sales Yard	Satellite Ground Control	Satellite Telecommunications	Sawmilling
Scientific Research and Development	Seafood Processing	Secondary Education	Security Brokerage
Security Enforcement	Security Services	Sewerage	Sewerage Screening
Ship Construction	Ship Repair	Shooting Range	Short-term Accommodation
Signalling	Silviculture	Social Work	Soft Drink Manufacture
Solid Mineral Fuel Mining	Specialized Store	Spirit Distillery	Sports Centre
Sports Goods Manufacture	Sports, Amusement and Recreation	Station	Steel Mill
Stone Product Manufacture	Stop	Storage of Human Remains	Structural Metal Product Manufacture
Subnational Government	Sugar Manufacture	Sugar Milling	Sugar Refining
Surveying	Telecommunications	Television Broadcasting	Terminal
Textile Manufacture	Textile, Apparel and Leather Manufacture	Theatre	Tobacco Product Manufacture
Transfer Hub	Transport	Transport System Maintenance	Transportation Equipment Manufacturing
Transportation Hub	Transportation Support	Travel Agency	Urgent Medical Care
Utilities	Vacation Cottage	Veterinary	Vocational Education
Warehousing and Storage	Waste Treatment and Disposal	Water Collection	Water Distribution
Water Supply	Water Transport	Water Treatment	Weather Station
Wholesale Merchant	Wind Tunnel	Winery	Wired Repeater
Wired Telecommunications	Wireless Repeater	Wireless Telecommunications	Wood-based Manufacturing
Wooden Construction Product Manufacture	Yacht-club		

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Floor Count	1	-999999	Integer	unitless	0	The number of floors in a structure (for example: a building).
	<i>allowed values:</i> -999999						
	Fortified Building Type	1	No Information	Enumeration	Unitless	0	The type of a building that is fortified or reinforced to provide for defense from armed attack.
	<i>allowed values:</i> Blockhouse No Information			Casement Non-specific Fortified			Keep Other Martello Tower Pillbox
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.	
<i>allowed values:</i>	Bomb Shelter Storm Shelter		Fallout Shelter			No Information	Other
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i>	-999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i>	-999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i>	-999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i>	No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).	
<i>allowed values:</i>	Air Force Marines		Army Navy			Coastguard No Information	Joint Other
Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants. [Description] For example, an apartment building consisting of multiple self-contained residences individually including spaces for personal activities, cooking, eating, sleeping, and (usually) a private bathroom, or an office building housing multiple commercial establishments individually including spaces for reception, meetings, single or open-plan work areas, as well as individual or common-use bathrooms or cafeterias.	
<i>allowed values:</i>	False		No Information			True	
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i>	No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i>	False		No Information			True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.	

allowed values:	Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc	Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water	Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Other Petroleum Plastic Rubber Snow Tobacco Whale Products	Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine		
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
allowed values:	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead No Information Other Plastic Silver Textile Water		
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
allowed values:	Depressed	Level	No Information			Raised
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
allowed values:	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values:	No Information	Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem

allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Adobe Brick Fibreglass Metal Plant Material Steel			Aluminum Glass Mud-based Construction Prestressed Concrete Stone			Brick Iron No Information Reinforced Concrete Treated Timber Concrete Masonry Other Sod Wood

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

New	Window Type	1	No Information	Enumeration	Unitless	0	Type of Window
	<i>allowed values:</i>	No Information Plastic with Bars		Open with Bars Plastic without Bars			Open without Bars Other
New	Windows Per Story	1	-999999	Integer	Unitless	0	Number of windows per story
	<i>allowed values:</i>	-999999					
	Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
	<i>allowed values:</i>	Cellular Phone Other Television (TV)		Microwave Radio Relay Radio Broadcast		Mobile Phone Radio Telephone	No Information Radio-telegraph

Relationships: FortifiedBuilding (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
FortifiedBuilding (Point) - has dataset metadata in - Zero or one - Dataset (Area)
FortifiedBuilding (Point) - has dataset metadata in - Zero or one - Dataset (Table)
FortifiedBuilding (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
FortifiedBuilding (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
FortifiedBuilding (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
FortifiedBuilding (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
FortifiedBuilding (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
FortifiedBuilding (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
FortifiedBuilding (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
FortifiedBuilding (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
FortifiedBuilding (Point) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup)

Feature FoulGround (Area)

New ☐ Foul Ground

A region over which it is safe to navigate but which should be avoided for anchoring, intentional grounding, or ground fishing.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	[-999999, -999999]					
Dangerous to Navigation	1	No Information	Boolean	Unitless	0	An indication that a hazard in a waterbody is considered to be dangerous to surface navigation. [Description] For example, broken piles, a rock formation, or a reef in moderately deep waters. For large vessels a depth of less than 20 metres is generally considered to be dangerous.
<i>allowed values:</i>	False		No Information			True
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i>	noInformation					
New Feature Code	1	BD050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	BD050					
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

<u>allowed values:</u> <i>noInformation</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> <i>No Information</i>						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> <i>No Information</i> Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original Historical Original <i>No Information</i> Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated						
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> <i>-999999.0</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> <i>No Information</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> <i>No Information</i>						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<u>allowed values:</u> <i>U</i>						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> <i>No Information</i> Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> <i>noInformation</i>						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: FoulGround (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FoulGround (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 FoulGround (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 FoulGround (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FoulGround (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FoulGround (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FoulGround (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FoulGround (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 FoulGround (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 FoulGround (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature FoulGround (Point)

New ☐ Foul Ground

A region over which it is safe to navigate but which should be avoided for anchoring, intentional grounding, or ground fishing.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Dangerous to Navigation	1	No Information	Boolean	Unitless	0	An indication that a hazard in a waterbody is considered to be dangerous to surface navigation. [Description] For example, broken piles, a rock formation, or a reef in moderately deep waters. For large vessels a depth of less than 20 metres is generally considered to be dangerous.
<i>allowed values:</i> False			No Information			True
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BD050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD050						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: FoulGround (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FoulGround (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 FoulGround (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 FoulGround (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FoulGround (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FoulGround (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FoulGround (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FoulGround (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)
 FoulGround (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 FoulGround (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Fountain (Area)

New ☐ Fountain

A monumental and/or ornamental structure containing moving water, often including jets, falls, or other decorative features. [Description] The structure is often of a civic nature; the water is typically recirculated.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.

allowed values: -999999.0

Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other						
			Joint Military and Civilian Private			Military Public
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational						
			Non-operational Planned			Not in Operation Temporarily Non-operational
New Feature Code	1	BH075	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH075						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original						
			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Dismantled Unmaintained						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						

Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Fountain (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Fountain (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Fountain (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Fountain (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Fountain (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Fountain (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Fountain (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Fountain (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Fountain (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature Fountain (Point)New ☐ Fountain

A monumental and/or ornamental structure containing moving water, often including jets, falls, or other decorative features. [Description] The structure is often of a civic nature; the water is typically recirculated.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999.0						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private		Military Public	No Information
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	BH075	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH075						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information		Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<u>allowed values:</u> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<u>allowed values:</u> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<u>allowed values:</u> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<u>allowed values:</u> noInformation						
<u>allowed values:</u> pimGUID						

Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Fountain (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Fountain (Point) - has dataset metadata in - Zero or one - Dataset (Area)
Fountain (Point) - has dataset metadata in - Zero or one - Dataset (Table)
Fountain (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Fountain (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Fountain (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Fountain (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Fountain (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Fountain (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Fountain (Point) - is a member of group - Exactly one - CulturePnt (FeatureGroup)

Feature FuelStorageFacility (Area)New ☐ Fuel Storage Facility

A facility for the storage of fuel (for example: jet fuel, gasoline, or diesel oil). [Description] The fuel is typically stored in large tanks that may be partially or wholly buried and is accompanied by metering and dispensing equipment. Facilities may range in size from a small stockpile of drums (sometimes termed a 'fuel dump') to a large perimeter-controlled site with multiple permanent surface tanks, in-ground pipelines and associated equipment (sometimes termed a 'fuel depot').

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.

<u>allowed values:</u> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other Joint Military and Civilian Private Military Public No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AM075	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AM075						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Air Transport Law Enforcement Petrol Sale Transfer Hub Canal Transport Mining and Quarrying Petroleum Refining Transport Defence Activities No Information Railway Transport Utilities Government Other Road Transport Water Transport						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.	
<i>allowed values:</i> False			No Information			True	
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False			No Information			True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: FuelStorageFacility (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FuelStorageFacility (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 FuelStorageFacility (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 FuelStorageFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FuelStorageFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FuelStorageFacility (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FuelStorageFacility (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FuelStorageFacility (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 FuelStorageFacility (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FuelStorageFacility (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FuelStorageFacility (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FuelStorageFacility (Area) - is a member of group - Exactly one - StorageSrf (FeatureGroup)

Feature FuelStorageFacility (Point)New ☐ Fuel Storage Facility

A facility for the storage of fuel (for example: jet fuel, gasoline, or diesel oil). [Description] The fuel is typically stored in large tanks that may be partially or wholly buried and is accompanied by metering and dispensing equipment. Facilities may range in size from a small stockpile of drums (sometimes termed a 'fuel dump') to a large perimeter-controlled site with multiple permanent surface tanks, in-ground pipelines and associated equipment (sometimes termed a 'fuel depot').

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM075	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM075						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Air Transport Law Enforcement Petrol Sale Transfer Hub			Canal Transport Mining and Quarrying Petroleum Refining Transport			Defence Activities No Information Railway Transport Utilities Government Other Road Transport Water Transport

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Historical Original No Information Unverified Transliterated							
Historical Transliterated Other Variant Original							
Native Original Provisional Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<u>allowed values:</u> False							
No Information							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False							
No Information							
True							

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).

allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: FuelStorageFacility (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 FuelStorageFacility (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 FuelStorageFacility (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 FuelStorageFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 FuelStorageFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 FuelStorageFacility (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 FuelStorageFacility (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 FuelStorageFacility (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 FuelStorageFacility (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 FuelStorageFacility (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 FuelStorageFacility (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 FuelStorageFacility (Point) - is a member of group - Exactly one - StoragePnt (FeatureGroup)

Feature Gantry (Line)New ☐ Gantry

A permanent raised structure used to support equipment (for example: cranes, signal lights, or signs) while spanning over or around an object (for example: over a road or railroad, or around a ship hull or rocket). [Description] A gantry may be moveable (for example: a rocket gantry may be repositioned away from the launch pad when pre-launch preparations are complete). A 'scaffold' is a structure that may be similar in appearance but is assembled only for temporary use (for example: during external repair of a building).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Crane Mobility Type	1	No Information	Enumeration	Unitless	0	The type of mobility of a crane.
<i>allowed values:</i> Fixed Travelling			Floating			No Information Other
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.

<u>allowed values:</u> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Partially Operational						
Non-operational Planned						
Not in Operation Temporarily Non-operational						
Operational						
New Feature Code	1	AL080	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> <i>AL080</i>						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Manufacturing Road Transport						
No Information Signalling						
Other Transport						
Railway Transport Water Transport						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> <i>noInformation</i>						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information						
Other						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> <i>-999999.0</i>						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> <i>-999999.0</i>						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> <i>-999999.0</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> <i>False</i>						
No Information						
<i>True</i>						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.

<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer	
<i>allowed values:</i> noInformation							
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.	
<i>allowed values:</i> noInformation							
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	
<i>allowed values:</i> noInformation							
<i>allowed values:</i> pimGUID							

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i>	Aluminum Other		Iron Steel			Metal No Information
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i>	noInformation					
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Gantry (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Gantry (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Gantry (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Gantry (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Gantry (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Gantry (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Gantry (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Gantry (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Gantry (Line) - is a member of group - Exactly one - StructureCrv (FeatureGroup)

Feature Gantry (Point)

New ☐ Gantry

A permanent raised structure used to support equipment (for example: cranes, signal lights, or signs) while spanning over or around an object (for example: over a road or railroad, or around a ship hull or rocket). [Description] A gantry may be moveable (for example: a rocket gantry may be repositioned away from the launch pad when pre-launch preparations are complete). A 'scaffold' is a structure that may be similar in appearance but is assembled only for temporary use (for example: during external repair of a building).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i>	False					No Information True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i>	-999999.0					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	[-999999, -999999]					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian Other		Joint Military and Civilian Private			Military Public No Information
Crane Mobility Type	1	No Information	Enumeration	Unitless	0	The type of mobility of a crane.
<i>allowed values:</i>	Fixed Travelling		Floating			No Information Other

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AL080	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL080						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Manufacturing Road Transport			No Information Signalling			Other Transport Railway Transport Water Transport
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
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allowed values: Aluminum
OtherIron
Steel

Metal

No Information

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Gantry (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Gantry (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Gantry (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Gantry (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Gantry (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Gantry (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Gantry (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Gantry (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Gantry (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Gantry (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Gantry (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Gantry (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature Gate (Line)

New ☐ Gate

A barrier on a transportation route (for example: a road, a railway, a tunnel, or a bridge) that controls passage (may be opened and closed).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
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allowed values: Civilian
OtherJoint Military and Civilian
PrivateMilitary
Public

No Information

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: noInformation

Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
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	<i>allowed values:</i> No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	AP040	CONSTRAINED_ STRING	Unitless	5	Feature Code	
<i>allowed values:</i> AP040							
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.	
<i>allowed values:</i> Agriculture Other Transport			Botanical and/or Zoological Reserve Activities Public Order			Immigration Control Public Order, Safety and Security Services	No Information Security Services
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.	
<i>allowed values:</i> noInformation							
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i> No Information							
Gate Use	1	No Information	Enumeration	Unitless	0	The type of a gate (or similar route barrier) based on its intended use.	
<i>allowed values:</i> Border Crossing Other			Crossing Toll-gate			Entrance	No Information
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2	
<i>allowed values:</i> No Information			Other				
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.	
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	

<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Total Usable Width	1	-999999.0	REAL	metre	0	The total usable width of the travelled way of a route. [Description] Includes pavements and shoulders.
<i>allowed values:</i> -999999.0						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Thickness	1	-999999.0	REAL	metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
<i>allowed values:</i> -999999.0						

Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i>	Bus Railway		No Information Road			Other Truck Pedestrian Underground Railway
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).

allowed values: noInformation*allowed values:* pimGUID

Relationships: Gate (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Gate (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Gate (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Gate (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Gate (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Gate (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Gate (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Gate (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Gate (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Gate (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature Gate (Point)New ☐ Gate**A barrier on a transportation route (for example: a road, a railway, a tunnel, or a bridge) that controls passage (may be opened and closed).**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AP040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP040						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

<i>allowed values:</i> Agriculture Other Transport		Botanical and/or Zoological Reserve Activities Public Order		Immigration Control Public Order, Safety and Security Services		No Information Security Services	
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
	Gate Use	1	No Information	Enumeration	Unitless	0	The type of a gate (or similar route barrier) based on its intended use.
<i>allowed values:</i> Border Crossing Other		Crossing Toll-gate		Entrance		No Information	
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information				Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.	
<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact		Damaged No Information		Destroyed Unmaintained		Dismantled	

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Total Usable Width	1	-999999.0	REAL	metre	0	The total usable width of the travelled way of a route. [Description] Includes pavements and shoulders.
<i>allowed values:</i> -999999.0						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Thickness	1	-999999.0	REAL	metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
<i>allowed values:</i> -999999.0						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Bus Railway			No Information Road			Other Truck Pedestrian Underground Railway

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: Gate (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Gate (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Gate (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Gate (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Gate (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Gate (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Gate (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Gate (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Gate (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Gate (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Gate (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Gate (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature GaugingStation (Point)

New ☐ Gauging Station

A device that monitors river flow and/or depth, and any associated support structures.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information

	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BI070	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BI070						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> <div>Construction Intact</div> <div>Damaged No Information</div> <div>Destroyed Unmaintained</div> <div>Dismantled</div>						
Predominant Average Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Maximum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Maximum Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Cubic Metres per Second	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						

Water Resource Information : Water Type 1 No Information Enumeration Unitless 0 The type of available water based on its composition.

allowed values: Alkaline Brackish Brine Fresh
Mineral No Information Not Applicable Other
Saline Seawater

Relationships: GaugingStation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
GaugingStation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
GaugingStation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
GaugingStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
GaugingStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
GaugingStation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
GaugingStation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
GaugingStation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
GaugingStation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
GaugingStation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
GaugingStation (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature GeodeticPoint (Point)

New ☐ Geodetic Point

A physical point on the Earth's surface having a known position (for example: as determined by survey) and established as part of a geodetic network. [Description] For example, a triangulation (trig) point.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						
New Feature Code	1	ZB060	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: ZB060						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
allowed values: noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Survey Control Point Type	1	No Information	Enumeration	Unitless	0	The type of a control point established by surveying methods based on method of establishment and/or intended use.
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allowed values: Benchmark
Vertical Position

Horizontal Position

Horizontal Position and Benchmark

No Information

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: GeodeticPoint (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 GeodeticPoint (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 GeodeticPoint (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 GeodeticPoint (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 GeodeticPoint (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 GeodeticPoint (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 GeodeticPoint (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 GeodeticPoint (Point) - is a member of group - Exactly one - HypsographyPnt (FeatureGroup)
 GeodeticPoint (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 GeodeticPoint (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature GeologicFault (Line)

New ☐ Geologic Fault

A fracture or zone of fractures in a rock formation, marked by the relative displacement on either side of the plane of the fracture. [Description] The intersection of a geologic fault with the ground surface is termed the 'fault trace' and is commonly plotted on maps to represent a fault. Since geologic faults do not usually consist of a single, clean fracture, the term 'fault zone' (or 'distributed fault') is often used when referring to the zone of complex deformation and numerous small fractures that is associated with the fault plane.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: noInformation

New	Fault Type	1	No Information	Enumeration	Unitless	0	A type of fracture in the earth's crust possibly resulting in the relative displacement and loss of continuity of the rocks on either side of it.
	<i>allowed values:</i>						<i>Decollement</i> <i>Oblique</i> <i>Reverse</i> <i>Transextension</i> <i>Extension</i> <i>Other</i> <i>Shear zone</i> <i>Transpression</i> <i>No Information</i> <i>Releasing bend</i> <i>Strike-slip</i> <i>Transverse</i> <i>Normal</i> <i>Restraining bend</i> <i>Thrust</i>
New	Feature Code	1	DB110	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i>		DB110				
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i>		noInformation				
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>		No Information				
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i>		No Information	Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>		Conventional Native Transliterated Unverified Original	Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
New	Geologic Dip	1	-999999.0	Real	Degree of Arc	0	The angle that a planar geologic surface is inclined from the horizontal.
	<i>allowed values:</i>		-999999.0				
	Geologic Fault Trace Visible	1	No Information	Boolean	Unitless	0	An indication that a geologic fault is visible at the ground surface.
	<i>allowed values:</i>		False	No Information			True
New	Geologic Strike Direction	1	-999999.0	Real	Degree of Arc	0	The angle between a geologic strike line and true North.
	<i>allowed values:</i>		-999999.0				
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>		-999999.0				
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>		No Information				
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i>		No Information				

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: GeologicFault (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 GeologicFault (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 GeologicFault (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 GeologicFault (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 GeologicFault (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 GeologicFault (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 GeologicFault (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 GeologicFault (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 GeologicFault (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 GeologicFault (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 GeologicFault (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 GeologicFault (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)

Feature GeopoliticalEntity (Area)

New ☐ Geopolitical Entity

A region controlled by a political community having an organized government and possessing internal and external sovereignty, most often as a State but sometimes having a dependent relationship on another political authority or a special sovereignty status. [Description] The degree of sovereignty may be limited in specific areas (for example: matters of economic, administrative, legislative, judicial, military and/or foreign policy). The region controlled by a sovereign geopolitical entity is commonly referred to as a 'country'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	FA002	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FA002						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Geopolitical Entity Type	1	No Information	Enumeration	Unitless	0	The type of a legally recognized geopolitical entity (for example: a State or a zone).
<i>allowed values:</i> Area of No Sovereignty Economic Region No Information Territory			Buffer Zone Freely Associated State Other Zone of Occupation			Demilitarized Zone (DMZ) Independent Political Entity Political Entity Dependent Political Entity Leased Area Semi-independent Political Entity
Geopolitical Entity Designation : ISO 3166-1 English Name	1	No Information	String	Unitless	200	The International Organization for Standardization (ISO 3166-1) full name that designates a geopolitical entity (for example: a State).
<i>allowed values:</i> No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: GeopoliticalEntity (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 GeopoliticalEntity (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 GeopoliticalEntity (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 GeopoliticalEntity (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 GeopoliticalEntity (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 GeopoliticalEntity (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 GeopoliticalEntity (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 GeopoliticalEntity (Area) - is a member of group - Exactly one - BoundarySrf (FeatureGroup)
 GeopoliticalEntity (Area) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 GeopoliticalEntity (Area) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 GeopoliticalEntity (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 GeopoliticalEntity (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature GeothermalOutlet (Area)

New ☐ Geothermal Outlet

A terrain surface feature controlled by or derived from the heat of the Earth's interior. [Description] For example, a hot spring.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquifer Name	1	No Information	String	Unitless	2E+09	The common or scientific name of an aquifer.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
allowed values: -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
allowed values: -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian Other			Joint Military and Civilian Private		Military Public No Information	
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
allowed values: -999999.0						
Direction of Flow	1	-999999.0	REAL	arcDegree	0	The bearing of movement or direction of the flow.
allowed values: -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						
New Feature Code	1	DB115	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: DB115						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
allowed values: noInformation						
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: No Information			Other			

Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Geothermal Outlet Type	1	No Information	Enumeration	Unitless	0	The type of a geothermal outlet based on its morphology.
<i>allowed values:</i> Fissure No Information			Fumarole Other			Geyser Sulphur Spring Hot Spring
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> No Information			Nonpotable	Other		
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater	Brine Not Applicable		
				Fresh Other		
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other	Domestic Irrigation Military Power Generation		
				Industrial Municipal Recreational		
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: GeothermalOutlet (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 GeothermalOutlet (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 GeothermalOutlet (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 GeothermalOutlet (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 GeothermalOutlet (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 GeothermalOutlet (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 GeothermalOutlet (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 GeothermalOutlet (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 GeothermalOutlet (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 GeothermalOutlet (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature GeothermalOutlet (Point)New ☐ Geothermal Outlet**A terrain surface feature controlled by or derived from the heat of the Earth's interior. [Description] For example, a hot spring.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquifer Name	1	No Information	String	Unitless	2E+09	The common or scientific name of an aquifer.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

<u>allowed values:</u> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<u>allowed values:</u> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<u>allowed values:</u> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other			Joint Military and Civilian Private		Military Public No Information	
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<u>allowed values:</u> -999999.0						
Direction of Flow	1	-999999.0	REAL	arcDegree	0	The bearing of movement or direction of the flow.
<u>allowed values:</u> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
New Feature Code	1	DB115	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> DB115						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information			Other			

Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Geothermal Outlet Type	1	No Information	Enumeration	Unitless	0	The type of a geothermal outlet based on its morphology.
<i>allowed values:</i> Fissure No Information			Fumarole Other			Geyser Sulphur Spring Hot Spring
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> No Information			Nonpotable	Other		
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater	Brine Not Applicable		
				Fresh Other		
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other	Domestic Irrigation Military Power Generation		
				Industrial Municipal Recreational		
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: GeothermalOutlet (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 GeothermalOutlet (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 GeothermalOutlet (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 GeothermalOutlet (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 GeothermalOutlet (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 GeothermalOutlet (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 GeothermalOutlet (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 GeothermalOutlet (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 GeothermalOutlet (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 GeothermalOutlet (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 GeothermalOutlet (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 GeothermalOutlet (Point) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup)

Feature Glacier (Area)New ☐ Glacier

A large mass or river of ice formed by accumulation and compaction of snow on higher ground that is moving slowly down a slope or valley from above the snowline.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

	<u>allowed values:</u> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<u>allowed values:</u> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<u>allowed values:</u> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
New	Feature Code	1	BJ030	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BJ030						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

allowed values: No Information

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Glacier (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Glacier (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Glacier (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Glacier (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Glacier (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Glacier (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Glacier (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Glacier (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Glacier (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Glacier (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Glacier (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Glacier (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature **GolfCourse (Area)** New ☐ Golf Course

A tract of land on which golf is played.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK100	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK100						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<u>allowed values:</u> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: GolfCourse (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 GolfCourse (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 GolfCourse (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 GolfCourse (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 GolfCourse (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 GolfCourse (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 GolfCourse (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 GolfCourse (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 GolfCourse (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 GolfCourse (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 GolfCourse (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 GolfCourse (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature GolfDrivingRange (Area)New ☐ Golf Driving Range**A parcel of land used for practicing golf shots.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK101	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK101						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: GolfDrivingRange (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 GolfDrivingRange (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 GolfDrivingRange (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 GolfDrivingRange (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 GolfDrivingRange (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 GolfDrivingRange (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 GolfDrivingRange (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 GolfDrivingRange (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 GolfDrivingRange (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 GolfDrivingRange (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature GrainElevator (Area)New ☐ Grain Elevator**A tall structure, equipped for loading, unloading, processing, and/or storing grain.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM030						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Other			Domed Pitched			Flat Pyramidal No Information Semi-cylindrical
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i>	Aluminum Metal Reinforced Concrete		Concrete No Information Steel			Iron Other Wood Masonry Prestressed Concrete
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i>	noInformation					
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: GrainElevator (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 GrainElevator (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 GrainElevator (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 GrainElevator (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 GrainElevator (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 GrainElevator (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 GrainElevator (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 GrainElevator (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 GrainElevator (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 GrainElevator (Area) - is a member of group - Exactly one - StorageSrf (FeatureGroup)

Feature GrainElevator (Point)

New ☐ Grain Elevator

A tall structure, equipped for loading, unloading, processing, and/or storing grain.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i>	No Information					
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i>	False					True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i>	-999999.0					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	[-999999, -999999]					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian Other		Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.

<i>allowed values:</i> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> <div> <div>No Information</div> <div>Partially Operational</div> </div> <div> <div>Non-operational</div> <div>Planned</div> </div> <div> <div>Not in Operation</div> <div>Temporarily Non-operational</div> </div> <div> <div>Operational</div> </div>						
New Feature Code	1	AM030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AM030</i>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> <i>noInformation</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> <i>No Information</i> <i>Other</i>						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> <div> <div>Conventional</div> <div>Native Transliterated</div> <div>Unverified Original</div> </div> <div> <div>Historical Original</div> <div>No Information</div> <div>Unverified Transliterated</div> </div> <div> <div>Historical Transliterated</div> <div>Other</div> <div>Variant Original</div> </div> <div> <div>Native Original</div> <div>Provisional</div> <div>Variant Transliterated</div> </div>						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999.0</i>						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999.0</i>						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999.0</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> <i>No Information</i>						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Other			Domed Pitched			Flat Pyramidal No Information Semi-cylindrical

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Metal Reinforced Concrete			Concrete No Information Steel			Iron Other Wood Masonry Prestressed Concrete

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

- Relationships:** GrainElevator (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 GrainElevator (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 GrainElevator (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 GrainElevator (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 GrainElevator (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 GrainElevator (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 GrainElevator (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 GrainElevator (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 GrainElevator (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 GrainElevator (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 GrainElevator (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 GrainElevator (Point) - is a member of group - Exactly one - StoragePnt (FeatureGroup)

Feature GrainStorageStructure (Area)

New ☐ Grain Storage Structure

An enclosed container, used for storing grain or fodder.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.

	<i>allowed values:</i> False		No Information		True	
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<i>allowed values:</i> -999999.0					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other		Joint Military and Civilian Private		Military Public	No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation					
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	AM020	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AM020					
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information					
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information		Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999.0

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
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allowed values: False

No Information

True

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Other			Domed Pitched			Flat Pyramidal No Information Semi-cylindrical
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Metal Reinforced Concrete			Concrete No Information Steel			Iron Other Wood Masonry Prestressed Concrete
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: GrainStorageStructure (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 GrainStorageStructure (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 GrainStorageStructure (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 GrainStorageStructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 GrainStorageStructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 GrainStorageStructure (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 GrainStorageStructure (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 GrainStorageStructure (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 GrainStorageStructure (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 GrainStorageStructure (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature GrainStorageStructure (Point)New ☐ Grain Storage Structure**An enclosed container, used for storing grain or fodder.**

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
	<i>allowed values:</i> False			No Information			True
	Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<i>allowed values:</i> -999999.0						
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AM020	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AM020						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<u>allowed values:</u> False			No Information			True
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Other			Domed Pitched			Flat Pyramidal No Information Semi-cylindrical
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i>	Aluminum Metal Reinforced Concrete		Concrete No Information Steel			Iron Other Wood Masonry Prestressed Concrete
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i>	noInformation					
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: GrainStorageStructure (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 GrainStorageStructure (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 GrainStorageStructure (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 GrainStorageStructure (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 GrainStorageStructure (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 GrainStorageStructure (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 GrainStorageStructure (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 GrainStorageStructure (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 GrainStorageStructure (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 GrainStorageStructure (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 GrainStorageStructure (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 GrainStorageStructure (Point) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup)

Feature Grandstand (Area)

New ☐ Grandstand

A structure for special viewing of outdoor events, usually roofed, that has tiers of seats or standing room for spectators.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i>	False					No Information True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i>	-999999.0					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	[-999999, -999999]					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian Other		Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.

<i>allowed values:</i> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> <div> <div>No Information</div> <div>Partially Operational</div> </div> <div> <div>Non-operational</div> <div>Planned</div> </div> <div> <div>Not in Operation</div> <div>Temporarily Non-operational</div> </div> <div> <div>Operational</div> </div>						
New Feature Code	1	AK110	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AK110</i>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> <i>noInformation</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> <i>No Information</i> <i>Other</i>						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> <div> <div>Conventional</div> <div>Native Transliterated</div> <div>Unverified Original</div> </div> <div> <div>Historical Original</div> <div>No Information</div> <div>Unverified Transliterated</div> </div> <div> <div>Historical Transliterated</div> <div>Other</div> <div>Variant Original</div> </div> <div> <div>Native Original</div> <div>Provisional</div> <div>Variant Transliterated</div> </div>						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999.0</i>						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999.0</i>						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999.0</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> <i>No Information</i>						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Grandstand (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Grandstand (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Grandstand (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Grandstand (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Grandstand (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Grandstand (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Grandstand (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Grandstand (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Grandstand (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Grandstand (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature Grandstand (Point)New ☐ Grandstand**A structure for special viewing of outdoor events, usually roofed, that has tiers of seats or standing room for spectators.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False						
No Information						
True						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

	<i>allowed values:</i>	Civilian Other		Joint Military and Civilian Private		Military Public	No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i>	noInformation					
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AK110	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	AK110					
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i>	noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i>	No Information		Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999.0					
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999.0					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEONT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: *noInformation*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: Grandstand (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Grandstand (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Grandstand (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Grandstand (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Grandstand (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Grandstand (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Grandstand (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Grandstand (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Grandstand (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Grandstand (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Grandstand (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Grandstand (Point) - is a member of group - Exactly one - RecreationPnt (FeatureGroup)

Feature Grassland (Area)New ☐ **Grassland****A tract covered mainly by grasses that have little or no woody tissue. [Description] For example, pasture, meadow, and steppe.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: *-999999.0*

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: *noInformation*

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: *[-999999, -999999]*

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: *noInformation*

New Feature Code	1	EB010	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: *EB010*

Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i>	Botanical and/or Zoological Reserve Activities Recreation		Grazing		No Information Other	
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i>	noInformation					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i>	No Information		Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated	
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999.0					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Characteristic	1	No Information	Enumeration	Unitless	0	The type of a vegetated area based on species, biome, physiography and/or structural organization.
<i>allowed values:</i> Grassland Other						
			Grassland with Trees Tropical Grass			
			Meadow Without Trees			
			No Information			
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Grassland (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Grassland (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Grassland (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Grassland (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Grassland (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Grassland (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Grassland (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Grassland (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Grassland (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Grassland (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Grassland (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Grassland (Area) - is a member of group - Exactly one - VegetationSrf (FeatureGroup)

Feature Greenhouse (Area)New ☐ Greenhouse

A structure, sometimes recognized as a building, constructed primarily of transparent material (for example: glass or plastic), in which temperature and humidity can be controlled for the cultivation and/or protection of plants. [Description] Greenhouses can range in size from very large conservatories such as the Palm House at Kew Gardens in England to row covers. Many of the large public greenhouse conservatories are used for growing tender and rare plants. Commercial greenhouses are often state-of-the-art production facilities for vegetables or flowers. Row covers and similar structures are usually made of a lightweight transparent material placed directly above rows of crops on a supporting framework to form a low tunnel. The transparent materials on these structures may be temporary being removed once the crop is well-established. At times, the entire structure may be removed.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.
<i>allowed values:</i> False			No Information			True
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AJ110	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u>	AJ110					
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<u>allowed values:</u>	Agriculture Growing of Crops					
				Amusement No Information			Botanical and/or Zoological Reserve Activities Education Other
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u>	noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u>	No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u>	No Information					
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u>	Conventional Native Transliterated Unverified Original					
				Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u>	-999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u>	-999999.0					
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u>	-999999.0					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u>	No Information					
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u>	No Information					

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Greenhouse (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Greenhouse (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Greenhouse (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Greenhouse (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Greenhouse (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Greenhouse (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Greenhouse (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Greenhouse (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Greenhouse (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Greenhouse (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Greenhouse (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Greenhouse (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature Greenhouse (Point)

New ☐ Greenhouse

A structure, sometimes recognized as a building, constructed primarily of transparent material (for example: glass or plastic), in which temperature and humidity can be controlled for the cultivation and/or protection of plants. [Description] Greenhouses can range in size from very large conservatories such as the Palm House at Kew Gardens in England to row covers. Many of the large public greenhouse conservatories are used for growing tender and rare plants. Commercial greenhouses are often state-of-the-art production facilities for vegetables or flowers. Row covers and similar structures are usually made of a lightweight transparent material placed directly above rows of crops on a supporting framework to form a low tunnel. The transparent materials on these structures may be temporary being removed once the crop is well-established. At times, the entire structure may be removed.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.

allowed values: False

No Information

True

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AJ110	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AJ110						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Agriculture Growing of Crops			Amusement No Information			Botanical and/or Zoological Reserve Activities Other Education
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
<i>allowed values:</i> Damaged No Information						
<i>allowed values:</i> Destroyed Unmaintained						
<i>allowed values:</i> Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
<i>allowed values:</i> Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonInt
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Greenhouse (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Greenhouse (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Greenhouse (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Greenhouse (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Greenhouse (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Greenhouse (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Greenhouse (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Greenhouse (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Greenhouse (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Greenhouse (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Greenhouse (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Greenhouse (Point) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup)

Feature Gridiron (Area)

New ☐ Gridiron**A timber structure in the intertidal zone serving as a support for vessels at low stages of the tide to permit work on the exposed portion of the vessel's hull.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB115	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB115						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Concrete Other			Iron Treated Timber			Metal Wood No Information

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry Covers and Uncovers			Always Submerged No Information			Awash at Chart Datum Other Awash at Low Water Partly Submerged

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Gridiron (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Gridiron (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Gridiron (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Gridiron (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Gridiron (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Gridiron (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Gridiron (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Gridiron (Area) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup)
 Gridiron (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Gridiron (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Grove (Area)

New ☐ Grove

A small wood or similar collection of trees growing closely together. [Description] May occur naturally or be deliberately planted for shade, ornamentation, and/or as an orchard (for example: of olives or citrus fruit).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Canopy Cover	1	-999999.0	REAL	Percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999.0						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.

<i>allowed values:</i> [-999999, -999999]						
Conspicuous Air Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the air. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous		Visual	
Conspicuous Ground Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from on the ground. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous		Visual	
Conspicuous Sea Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the sea. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous		Visual	
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	EC050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EC050						
Feature Element Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance measured from true north (0 degrees) clockwise to the predominant linear pattern of the elements within a feature.
<i>allowed values:</i> -999999.0						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<i>allowed values:</i> Deciduous Other			Evergreen		Mixed No Information	
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Predominant Vegetation Height	1	-999999.0	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Shelter Belt	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a linear stand of trees) functions as a shelter belt, protecting other features (for example: roads, railways, cropland, and/or structures) from the effects of adverse weather.
<i>allowed values:</i> False			No Information			True
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Stem Diameter	1	[-999999.0, -999999.0]	REAL_Interval	Unitless	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<i>allowed values:</i> [-999999.0, -999999.0]						
Summer Canopy Cover	1	-999999.0	REAL	Percent	0	The fraction of canopy cover within a defined area during the summer season. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999.0						
Tree Spacing	1	[-999999.0, -999999.0]	REAL_Interval	Unitless	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
<i>allowed values:</i> [-999999.0, -999999.0]						
Undergrowth Density	1	[-999999.0, -999999.0]	REAL_Interval	Unitless	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<i>allowed values:</i> Casuarina Eucalyptus No Information Pine			Coconut Filao Olive			Conifer Mangrove Other Cypress Nipa Palm
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Winter Canopy Cover	1	-999999.0	REAL	Percent	0	The fraction of canopy cover within a defined area during the winter season. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
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allowed values: -999999.0

Relationships: Grove (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Grove (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Grove (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Grove (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Grove (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Grove (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Grove (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Grove (Area) - is a member of group - Exactly one - VegetationSrf (FeatureGroup)
 Grove (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Grove (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Grove (Point)

New ☐ Grove

A small wood or similar collection of trees growing closely together. [Description] May occur naturally or be deliberately planted for shade, ornamentation, and/or as an orchard (for example: of olives or citrus fruit).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
Canopy Cover	1	-999999.0	REAL	Percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<u>allowed values:</u> -999999.0						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
Conspicuous Air Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the air. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<u>allowed values:</u> No Information			Not Conspicuous			Visual
Conspicuous Ground Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from on the ground. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<u>allowed values:</u> No Information			Not Conspicuous			Visual
Conspicuous Sea Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the sea. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<u>allowed values:</u> No Information			Not Conspicuous			Visual
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						

New	Feature Code	1	EC050	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	EC050					
	Feature Element Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance measured from true north (0 degrees) clockwise to the predominant linear pattern of the elements within a feature.
	<i>allowed values:</i>	-999999.0					
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i>	noInformation					
	Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
	<i>allowed values:</i>	Deciduous Other		Evergreen		Mixed No Information	
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i>	No Information		Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	
	Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999.0					
	Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999.0					
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999.0					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>	No Information					

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Predominant Vegetation Height	1	-999999.0	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Shelter Belt	1	No Information	Boolean	Unitless	0	An indication that a feature (for example: a linear stand of trees) functions as a shelter belt, protecting other features (for example: roads, railways, cropland, and/or structures) from the effects of adverse weather.
<i>allowed values:</i> False No Information True						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

<i>allowed values:</i> noInformation						
Stem Diameter	1	[-999999.0, -999999.0]	REAL_Interval	Unitless	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<i>allowed values:</i> [-999999.0, -999999.0]						
Summer Canopy Cover	1	-999999.0	REAL	Percent	0	The fraction of canopy cover within a defined area during the summer season. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999.0						
Tree Spacing	1	[-999999.0, -999999.0]	REAL_Interval	Unitless	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
<i>allowed values:</i> [-999999.0, -999999.0]						
Undergrowth Density	1	[-999999.0, -999999.0]	REAL_Interval	Unitless	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<i>allowed values:</i> <div> <div>Casuarina</div> <div>Eucalyptus</div> <div>No Information</div> <div>Pine</div> </div> <div> <div>Coconut</div> <div>Filao</div> <div>Olive</div> </div> <div> <div>Conifer</div> <div>Mangrove</div> <div>Other</div> </div> <div> <div>Cypress</div> <div>Nipa</div> <div>Palm</div> </div>						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Winter Canopy Cover	1	-999999.0	REAL	Percent	0	The fraction of canopy cover within a defined area during the winter season. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.

Relationships: Grove (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Grove (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Grove (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Grove (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Grove (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Grove (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Grove (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Grove (Point) - is a member of group - Exactly one - VegetationPnt (FeatureGroup)
 Grove (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Grove (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Harbour (Area)

New ☐ Harbour

A natural or artificial improved body of water providing protection for vessels and generally anchorage and docking facilities. [Description] A harbour consists of both its port and its waters.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> No Information			Other			Private Public
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB005	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB005						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Harbour Facility Function	3	No Information	Enumeration	Unitless	0	The primary function(s) of harbour facilities that are associated with a service or commercial operation of public interest.

allowed values:	Bulk Terminal Marina Passenger Terminal Timber-yard		Container Terminal Naval Base Ro-Ro Terminal	Ferry Terminal No Information Shipyard	Fishing Harbour Other Tanker Terminal		
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
allowed values: -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
allowed values: No Information							
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
allowed values: No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
allowed values: False							
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
allowed values: Construction Intact							
Restriction Information : Security Attributes Group <resource classification>	1	U	Damaged No Information CodeList	Destroyed Unmaintained	Dismantled	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
allowed values: U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
allowed values: No Information							
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	Other StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem	
allowed values: noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC	
allowed values: noInformation							

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ('). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
<i>allowed values:</i> False			No Information			True
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
World Port Index Identifier	1	No Information	String	Unitless	14	The unique identifier element in the NGA World Port Index (Publication 150). [Description] The World Port Index lists all of the major shipping ports in the world, giving all the information (for example: latitude and longitude, facilities information, tidal data, and customs information) that a ship captain might need to prepare for a visit.

allowed values: No Information

Relationships: Harbour (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Harbour (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Harbour (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Harbour (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Harbour (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Harbour (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Harbour (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Harbour (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Harbour (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Harbour (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Harbour (Area) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup)

Feature HarbourWaters (Area)

New ☒ Harbour Waters

A natural or artificial improved body of water providing protection for vessels and usually associated with a port.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BB008	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB008						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2

<i>allowed values:</i> No Information			Other			
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			<i>Ephemeral</i>			Intermittent No Information
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGCIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: HarbourWaters (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 HarbourWaters (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 HarbourWaters (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 HarbourWaters (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 HarbourWaters (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 HarbourWaters (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 HarbourWaters (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 HarbourWaters (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 HarbourWaters (Area) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 HarbourWaters (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 HarbourWaters (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature HardenedAircraftShelter (Area)

New ☐ Hardened Aircraft Shelter

A hardened structure built above or partially above ground that encloses aircraft to provide protection from enemy attack. [Description] The shelter is closed by blast resistant doors and is generally limited in size, only accommodating one or two relatively smaller (for example: fighter) aircraft. Those built to NATO specifications are designed to withstand a direct hit by a 226 kilogram bomb.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	GB250	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB250							
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Air Transport Defence Activities Warehousing and Storage		Aircraft Repair Emergency Operations		Armory No Information		Cargo Handling Other	
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information		Other					
	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter		Fallout Shelter		No Information		Other	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants. [Description] For example, an apartment building consisting of multiple self-contained residences individually including spaces for personal activities, cooking, eating, sleeping, and (usually) a private bathroom, or an office building housing multiple commercial establishments individually including spaces for reception, meetings, single or open-plan work areas, as well as individual or common-use bathrooms or cafeterias.

<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> <i>U</i>						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> <i>noInformation</i>						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: HardenedAircraftShelter (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 HardenedAircraftShelter (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 HardenedAircraftShelter (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 HardenedAircraftShelter (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 HardenedAircraftShelter (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 HardenedAircraftShelter (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 HardenedAircraftShelter (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 HardenedAircraftShelter (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 HardenedAircraftShelter (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 HardenedAircraftShelter (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 HardenedAircraftShelter (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 HardenedAircraftShelter (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature HardenedAircraftShelter (Point)

New ☐ Hardened Aircraft Shelter

A hardened structure built above or partially above ground that encloses aircraft to provide protection from enemy attack. [Description] The shelter is closed by blast resistant doors and is generally limited in size, only accommodating one or two relatively smaller (for example: fighter) aircraft. Those built to NATO specifications are designed to withstand a direct hit by a 226 kilogram bomb.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.

	<u>allowed values:</u> <i>False</i>		No Information		<i>True</i>	
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<u>allowed values:</u> <i>-999999.0</i>					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<u>allowed values:</u> <i>-999999.0</i>					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<u>allowed values:</u> <i>noInformation</i>					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<u>allowed values:</u> <i>[-999999, -999999]</i>					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<u>allowed values:</u> Civilian Other		Joint Military and Civilian Private		Military Public	No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> <i>noInformation</i>					
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<u>allowed values:</u> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	GB250	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> <i>GB250</i>					
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<u>allowed values:</u> Air Transport Defence Activities Warehousing and Storage		Aircraft Repair Emergency Operations		Armory No Information	Cargo Handling Other
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> <i>noInformation</i>					
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information		Other			
Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<u>allowed values:</u> Bomb Shelter Storm Shelter		Fallout Shelter		No Information	Other
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999.0

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants. [Description] For example, an apartment building consisting of multiple self-contained residences individually including spaces for personal activities, cooking, eating, sleeping, and (usually) a private bathroom, or an office building housing multiple commercial establishments individually including spaces for reception, meetings, single or open-plan work areas, as well as individual or common-use bathrooms or cafeterias.
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allowed values: False

No Information

True

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: HardenedAircraftShelter (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 HardenedAircraftShelter (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 HardenedAircraftShelter (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 HardenedAircraftShelter (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 HardenedAircraftShelter (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 HardenedAircraftShelter (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 HardenedAircraftShelter (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 HardenedAircraftShelter (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 HardenedAircraftShelter (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 HardenedAircraftShelter (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 HardenedAircraftShelter (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)

Feature HazardousRock (Point)New ☐ Hazardous Rock

An isolated rocky formation or a single large stone or coral, usually one constituting a danger to navigation. [Description] May be either dry, awash, or below the water surface.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Wire-drag			<i>Depth Known by Other Than Wire Drag</i>			<i>No Information</i> <i>Other</i>
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BD130	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD130						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2

allowed values: No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
allowed values: -999999.0						
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
allowed values: U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values: No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
allowed values: noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
allowed values: noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer

allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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allowed values: Coral

No Information

Other

Rock

Hydrographic Vertical Positioning Information : Uncovering Height Known	1	No Information	Boolean	Unitless	0	An indication that information is known about the height to which a marine feature may be uncovered by the tide.
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allowed values: *False*

No Information

True

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation**allowed values:* *pimGUID*

Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
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allowed values: Always Dry
No InformationAlways Submerged
Other

Awash at Low Water

Covers and Uncovers

Relationships: HazardousRock (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
HazardousRock (Point) - has dataset metadata in - Zero or one - Dataset (Area)
HazardousRock (Point) - has dataset metadata in - Zero or one - Dataset (Table)
HazardousRock (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
HazardousRock (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
HazardousRock (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
HazardousRock (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
HazardousRock (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)
HazardousRock (Point) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
HazardousRock (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
HazardousRock (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
HazardousRock (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature HeatingFacility (Area)New ☐ Heating Facility**A facility for the generation of thermal energy for heating purposes.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.

allowed values: No Information

	Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<i>allowed values:</i> -999999.0						
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AD050	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AD050						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Commerce Other			Government Residence			Manufacturing No Information
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged No Information						
Destroyed Unmaintained						
Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/c/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/c/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick No Information Steel			Concrete Other Stone			Masonry Prestressed Concrete Wood Metal Reinforced Concrete
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: HeatingFacility (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 HeatingFacility (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 HeatingFacility (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 HeatingFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 HeatingFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 HeatingFacility (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 HeatingFacility (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 HeatingFacility (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 HeatingFacility (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 HeatingFacility (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 HeatingFacility (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 HeatingFacility (Area) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup)

Feature HeatingFacility (Point)New ☐ Heating Facility**A facility for the generation of thermal energy for heating purposes.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AD050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD050						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Commerce Other			Government Residence			Manufacturing No Information

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Historical Original No Information Unverified Transliterated							
Historical Transliterated Other Variant Original							
Native Original Provisional Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False							
No Information							
True							

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: *noInformation**allowed values:* *pimGUID*

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick No Information Steel			Concrete Other Stone			Masonry Prestressed Concrete Wood Metal Reinforced Concrete
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: *-999999.0*

Relationships: HeatingFacility (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 HeatingFacility (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 HeatingFacility (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 HeatingFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 HeatingFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 HeatingFacility (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 HeatingFacility (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 HeatingFacility (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 HeatingFacility (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 HeatingFacility (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 HeatingFacility (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 HeatingFacility (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature Hedgerow (Line)New ☐ Hedgerow**A continuous growth of shrubs planted as a fence, a boundary, and/or a windbreak.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> <i>[-999999, -999999]</i>						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> <i>noInformation</i>						
New Feature Code	1	EA020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>EA020</i>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: *noInformation*

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Predominant Vegetation Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
	<i>allowed values:</i> -999999.0						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
	<i>allowed values:</i> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information			Other			
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
	<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Hedgerow (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Hedgerow (Line) - has dataset metadata in - Zero or one - Dataset (Area)
Hedgerow (Line) - has dataset metadata in - Zero or one - Dataset (Table)
Hedgerow (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Hedgerow (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Hedgerow (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Hedgerow (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Hedgerow (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Hedgerow (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Hedgerow (Line) - is a member of group - Exactly one - VegetationCrv (FeatureGroup)

Feature Helipad (Area)

New ☐ Helipad

A designated area, usually with a prepared surface, used for the take-off, landing, or parking of helicopters. [Description] This prepared surface could either be located on land or on a platform over water. It may or may not be associated with an aerodrome. For example: a hospital helipad, and an offshore rig helipad.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Pavement Information : Aerodrome Movement Area Surface Category	1	No Information	Enumeration	Unitless	0	The level of preparation of the aerodrome movement area surface, as a category. [Description] Common category types may range from natural to completely paved.
<i>allowed values:</i> Completely Paved Partially Paved			Mostly Paved Unpaved			No Information Unprepared Other
Aerodrome Pavement Information : Aerodrome Movement Area Surface Composition	3	No Information	Enumeration	Unitless	0	The type of the predominant material of which a surface of the movement area is composed. [Description] Example surfaces include: asphalt, concrete, or grass.
<i>allowed values:</i> Asphalt Clay Gravel Macadam Other Stone			Asphalt Over Concrete Concrete Ice Membrane Pierced Steel Planking Water			Bituminous Mix Coral Landing Mat No Information Sand Wood Brick Earthen Laterite Non-bituminous Mix Snow
Aerodrome Pavement Information : Aerodrome Movement Area Surface Preparation Method	3	No Information	Enumeration	Unitless	0	The preparation technique(s) applied to a surface composition.
<i>allowed values:</i> Aggregate Seal Coat No Information Rolled			Graded Oiled Rubberized Seal Coat			Grass Other Grooved Porous Friction Course
Aerodrome Pavement Information : Aerodrome Pavement Functional Status	1	No Information	Enumeration	Unitless	0	The functional status of the pavement of an aerodrome movement area. [Description] An aerodrome movement area is that part of an aerodrome to be used for aircraft movement operations, consisting of the manoeuvring area and the apron(s).
<i>allowed values:</i> Excellent Good Estimated Under Construction			Fair No Information Unserviceable			Fair Estimated Poor Good Poor Estimated
Aerodrome Surface Status	1	No Information	Enumeration	Unitless	0	The operational status of an aerodrome movement area, as a category. [Description] For example: serviceable, unserviceable, closed, or work-in-progress.
<i>allowed values:</i> Closed Work in Progress			No Information			Open Parked or Disabled Aircraft
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						

Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i>	No Information		Non-operational		Operational	
	Partially Operational		Planned		Temporarily Non-operational	
New Feature Code	1	GB030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	GB030					
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i>	noInformation					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i>	No Information		Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>	Conventional		Historical Original		Historical Transliterated	
	Native Transliterated		No Information		Other	
	Unverified Original		Unverified Transliterated		Variant Original	
					Native Original	
					Provisional	
					Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999.0					
Helipad Associated Facility	1	No Information	Enumeration	Unitless	0	The type of facility or building that is associated with a freestanding helipad.
<i>allowed values:</i>	Heliport		Hospital		Land Aerodrome	
	No Information		Non-hospital Building		Offshore Construction	
	Rig		Water Aerodrome		Military Installation	
					Other	
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999.0					
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999.0					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIntC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Helipad (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Helipad (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Helipad (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Helipad (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Helipad (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Helipad (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Helipad (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Helipad (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Helipad (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Helipad (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature Helipad (Point)

New ☐ Helipad

A designated area, usually with a prepared surface, used for the take-off, landing, or parking of helicopters. [Description] This prepared surface could either be located on land or on a platform over water. It may or may not be associated with an aerodrome. For example: a hospital helipad, and an offshore rig helipad.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Pavement Information : Aerodrome Movement Area Surface Category	1	No Information	Enumeration	Unitless	0	The level of preparation of the aerodrome movement area surface, as a category. [Description] Common category types may range from natural to completely paved.
<i>allowed values:</i>						<div>Completely Paved</div> <div>Partially Paved</div> <div>Mostly Paved</div> <div>Unpaved</div> <div>No Information</div> <div>Unprepared</div> <div>Other</div>
Aerodrome Pavement Information : Aerodrome Movement Area Surface Composition	3	No Information	Enumeration	Unitless	0	The type of the predominant material of which a surface of the movement area is composed. [Description] Example surfaces include: asphalt, concrete, or grass.
<i>allowed values:</i>						<div>Asphalt</div> <div>Clay</div> <div>Gravel</div> <div>Macadam</div> <div>Other</div> <div>Stone</div> <div>Asphalt Over Concrete</div> <div>Concrete</div> <div>Ice</div> <div>Membrane</div> <div>Pierced Steel Planking</div> <div>Water</div> <div>Bituminous Mix</div> <div>Coral</div> <div>Landing Mat</div> <div>No Information</div> <div>Sand</div> <div>Wood</div> <div>Brick</div> <div>Earthen</div> <div>Laterite</div> <div>Non-bituminous Mix</div> <div>Snow</div>
Aerodrome Pavement Information : Aerodrome Movement Area Surface Preparation Method	3	No Information	Enumeration	Unitless	0	The preparation technique(s) applied to a surface composition.

allowed values: Aggregate Seal Coat No Information Rolled			Graded Oiled Rubberized Seal Coat			Grass Other	Grooved Porous Friction Course
Aerodrome Pavement Information : Aerodrome Pavement Functional Status	1	No Information	Enumeration	Unitless	0	The functional status of the pavement of an aerodrome movement area. [Description] An aerodrome movement area is that part of an aerodrome to be used for aircraft movement operations, consisting of the manoeuvring area and the apron(s).	
allowed values: Excellent Good Estimated Under Construction			Fair No Information Unserviceable			Fair Estimated Poor	Good Poor Estimated
Aerodrome Surface Status	1	No Information	Enumeration	Unitless	0	The operational status of an aerodrome movement area, as a category. [Description] For example: serviceable, unserviceable, closed, or work-in-progress.	
allowed values: Closed Work in Progress			No Information			Open	Parked or Disabled Aircraft
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.	
allowed values: -999999.0							
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).	
allowed values: noInformation							
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.	
allowed values: [-999999, -999999]							
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).	
allowed values: Civilian Other			Joint Military and Civilian Private			Military Public	No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.	
allowed values: noInformation							
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.	
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	GB030	CONSTRAINED_STRING	Unitless	5	Feature Code	
allowed values: GB030							
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.	
allowed values: noInformation							
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
allowed values: No Information							
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2	
allowed values: No Information			Other				

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Helipad Associated Facility	1	No Information	Enumeration	Unitless	0	The type of facility or building that is associated with a freestanding helipad.
<i>allowed values:</i> Heliport No Information Rig			Hospital Non-hospital Building Water Aerodrome			Land Aerodrome Offshore Construction Military Installation Other
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Helipad (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Helipad (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Helipad (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Helipad (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Helipad (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Helipad (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Helipad (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Helipad (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Helipad (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Helipad (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Helipad (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Helipad (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)

Feature Heliport (Area)New ☐ Heliport

An aerodrome intended to be used for the arrival, landing, takeoff or departure of vertical takeoff and landing aircraft/helicopters.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999.0	REAL	metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area. <i>allowed values:</i> -999999.0
Aerodrome Official Name	1	No Information	String	Unitless	80	The primary official name of an aerodrome as designated by an appropriate authority. <i>allowed values:</i> No Information
Airfield Symbol Type	1	No Information	Enumeration	Unitless	0	The type of airfield symbol designation. <i>allowed values:</i> Active Joint (Civilian/Military) Heliport H - Active Military Heliport J - Active Civil Heliport K - Active Military Heliport (with less than minimum facilities) L - Active Civil Heliport (with less than minimum facilities) No Information X - Decoy
Airfield Type	1	No Information	Enumeration	Unitless	0	The type of an airfield based on the size and/or paving of its runways. <i>allowed values:</i> Major Minor Other No Information Minor and Hard Minor and Soft
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Joint Military and Civilian Military Private No Information Public
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Non-operational Not in Operation Operational Partially Operational Planned Temporarily Non-operational
New Feature Code	1	GB035	CONSTRAINED_STRING	Unitless	5	Feature Code

<u>allowed values:</u> GB035							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> <div>Conventional Native Transliterated Unverified Original</div>				Other <div>Historical Original No Information Unverified Transliterated</div>			
				<div>Historical Transliterated Other Variant Original</div> <div>Native Original Provisional Variant Transliterated</div>			
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	ICAO Location Indicator	1	noInformation	StructuredText	Unitless	14	The identifier that is assigned to a location in accordance with rules prescribed by the International Civil Aviation Organization (ICAO) in Document 7910. [Description] If available this indicator shall be used as primary for identification. [DatatypeSpecification] A structured text value specifying an ICAO location indicator. [EncodingSpecification] The 2 letter ICAO code of the State being responsible for the aerodrome in accordance with ICAO Doc7910, followed by either a two-digit integer between 01 and 99 or characters in the range A-Z.
<u>allowed values:</u> noInformation							
	Installation Operator	1	No Information	String	Unitless	2E+09	The name of the company or authority operating an installation.
<u>allowed values:</u> No Information							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Magnetic Variation	1	-999999.0	Real	arcDegree	0	The angular difference between True North and Magnetic North measured at a given position and date. [Description] The value given indicates whether the angular difference is East (positive) or West (negative) of True North. True North is the direction of the northern point at which the geographic meridian lines meet.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Port of Entry	1	No Information	Boolean	Unitless	0	An indication that a facility is a port of entry for customs and immigration purposes.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Heliport (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Heliport (Area) - has dataset metadata in - Zero or one - Dataset (Area)
Heliport (Area) - has dataset metadata in - Zero or one - Dataset (Table)
Heliport (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Heliport (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Heliport (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Heliport (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Heliport (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
Heliport (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Heliport (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Heliport (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Heliport (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature Heliport (Point)New ☐ Heliport**An aerodrome intended to be used for the arrival, landing, takeoff or departure of vertical takeoff and landing aircraft/helicopters.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999.0	REAL	metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area.
<i>allowed values:</i> -999999.0						
Aerodrome Official Name	1	No Information	String	Unitless	80	The primary official name of an aerodrome as designated by an appropriate authority.
<i>allowed values:</i> No Information						
Airfield Symbol Type	1	No Information	Enumeration	Unitless	0	The type of airfield symbol designation.
<i>allowed values:</i> Active Joint (Civilian/Military) Heliport H - Active Military Heliport J - Active Civil Heliport K - Active Military Heliport (with less than minimum facilities) L - Active Civil Heliport (with less than minimum facilities) No Information X - Decoy						
Airfield Type	1	No Information	Enumeration	Unitless	0	The type of an airfield based on the size and/or paving of its runways.
<i>allowed values:</i> Major Minor Other Minor and Hard Minor and Soft No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

	<i>allowed values:</i> <i>noInformation</i>						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> <i>[-999999, -999999]</i>						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> <i>noInformation</i>						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	GB035	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> <i>GB035</i>						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> <i>noInformation</i>						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> <i>-999999.0</i>						
	ICAO Location Indicator	1	noInformation	StructuredText	Unitless	14	The identifier that is assigned to a location in accordance with rules prescribed by the International Civil Aviation Organization (ICAO) in Document 7910. [Description] If available this indicator shall be used as primary for identification. [DatatypeSpecification] A structured text value specifying an ICAO location indicator. [EncodingSpecification] The 2 letter ICAO code of the State being responsible for the aerodrome in accordance with ICAO Doc7910, followed by either a two-digit integer between 01 and 99 or characters in the range A-Z.
	<i>allowed values:</i> <i>noInformation</i>						
	Installation Operator	1	No Information	String	Unitless	2E+09	The name of the company or authority operating an installation.

<i>allowed values:</i> No Information						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Magnetic Variation	1	-999999.0	Real	arcDegree	0	The angular difference between True North and Magnetic North measured at a given position and date. [Description] The value given indicates whether the angular difference is East (positive) or West (negative) of True North. True North is the direction of the northern point at which the geographic meridian lines meet.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
Port of Entry	1	No Information	Boolean	Unitless	0	An indication that a facility is a port of entry for customs and immigration purposes.
<i>allowed values:</i> False						
No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Heliport (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Heliport (Point) - has dataset metadata in - Zero or one - Dataset (Area)
Heliport (Point) - has dataset metadata in - Zero or one - Dataset (Table)
Heliport (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Heliport (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Heliport (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Heliport (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Heliport (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
Heliport (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Heliport (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Heliport (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Heliport (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)

Feature HoldingPen (Area)

New ☐ Holding Pen

An enclosed tract on which livestock are temporarily kept. [Description] For example, a sheepfold, a holding paddock, a livestock pen, a feedlot, and/or a stock yard. The enclosure may be by, for example, a fence or a wall.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational Operational	
New Feature Code	1	AJ030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ030						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: HoldingPen (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 HoldingPen (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 HoldingPen (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 HoldingPen (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 HoldingPen (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 HoldingPen (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 HoldingPen (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 HoldingPen (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 HoldingPen (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 HoldingPen (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature HoldingPen (Point)

New ☐ Holding Pen

An enclosed tract on which livestock are temporarily kept. [Description] For example, a sheepfold, a holding paddock, a livestock pen, a feedlot, and/or a stock yard. The enclosure may be by, for example, a fence or a wall.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AJ030	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AJ030						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained Dismantled	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: HoldingPen (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
HoldingPen (Point) - has dataset metadata in - Zero or one - Dataset (Area)
HoldingPen (Point) - has dataset metadata in - Zero or one - Dataset (Table)
HoldingPen (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
HoldingPen (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
HoldingPen (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
HoldingPen (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
HoldingPen (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
HoldingPen (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
HoldingPen (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
HoldingPen (Point) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup)

Feature HopField (Area)

New ☐ Hop Field

A tract covered by the systematic planting of hop vines.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

	Crop Information : Crop Species	1	Hop	Enumeration	Unitless	0	The predominant species of a crop land.
	<u>allowed values:</u> Hop						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
	Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
	<u>allowed values:</u> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New	Feature Code	1	EA055	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<u>allowed values:</u> EA055						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Crop Information : Irrigation Method	1	No Information	Enumeration	Unitless	0	The method used to supply crops with water.
	<u>allowed values:</u> Center Pivot Linear Move Subirrigation			Drip No Information Terrace			Furrow Other Lateral Move Overhead
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
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allowed values: -999999.0

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: HopField (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
HopField (Area) - has dataset metadata in - Zero or one - Dataset (Area)
HopField (Area) - has dataset metadata in - Zero or one - Dataset (Table)
HopField (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
HopField (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
HopField (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
HopField (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
HopField (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
HopField (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
HopField (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
HopField (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
HopField (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature Hopper (Point)

New ☐ Hopper

A top-loaded funnel-shaped structure for temporary holding of loose material which will be dispensed from its bottom.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	AF080	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AF080							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
Geographic Name Information : Full Name		1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
Geographic Name Information : Geographic Name Type		1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level		1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
Highest Elevation		1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
Length		1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Hopper (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Hopper (Point) - has dataset metadata in - Zero or one - Dataset (Area)
Hopper (Point) - has dataset metadata in - Zero or one - Dataset (Table)
Hopper (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Hopper (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Hopper (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Hopper (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Hopper (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
Hopper (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Hopper (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Hopper (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Hopper (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature Hulk (Point)New ☐ Hulk**A vessel, either stranded aground or permanently moored, that is no longer seaworthy due to an inoperable propulsion plant or compromised vessel integrity.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False						
No Information						
True						
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i>	Civilian Other		Joint Military and Civilian		Military	No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i>	noInformation					
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	BD181	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	BD181					
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i>	noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i>	No Information		Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999.0					
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999.0					

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Hulk (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Hulk (Point) - has dataset metadata in - Zero or one - Dataset (Area)
Hulk (Point) - has dataset metadata in - Zero or one - Dataset (Table)
Hulk (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Hulk (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Hulk (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Hulk (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Hulk (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
Hulk (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Hulk (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Hulk (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Hulk (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature Hummock (Area)

New ☐ Hummock

A place of higher elevation within a wetland (for example: a swamp, a bog, or a marsh).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	BH077	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH077						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
	<i>allowed values:</i> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information			Other			
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
	<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Hummock (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Hummock (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Hummock (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Hummock (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Hummock (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Hummock (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Hummock (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Hummock (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Hummock (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Hummock (Area) - is a member of group - Exactly one - VegetationSrf (FeatureGroup)

Feature Hut (Area)

New ☐ Hut

A small, simple free-standing (detached) self-contained residence usually having only a single multi-function room. [Description] May be intended only as temporary (for example: by displaced persons) or seasonal (for example: during seasonal livestock movement) residence. May be crude (for example: quickly built from locally-available natural materials) or relatively modern in construction and austere furnished (for example: a Norwegian 'hytte').

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL099	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL099						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Agriculture Leprosy Care Other Residence			Emergency Operations Meeting Place Raising of Animals Vacation Cottage			Emergency Shelter No Information Refugee Shelter Weather Station Grazing Observation Station Religious Activities
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: *No Information**Other*

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: Hut (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Hut (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Hut (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Hut (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Hut (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Hut (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Hut (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Hut (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Hut (Area) - is a member of group - Exactly one - StructureSrf (FeatureGroup)

Feature Hut (Point)New ☐ Hut

A small, simple free-standing (detached) self-contained residence usually having only a single multi-function room. [Description] May be intended only as temporary (for example: by displaced persons) or seasonal (for example: during seasonal livestock movement) residence. May be crude (for example: quickly built from locally-available natural materials) or relatively modern in construction and austere furnished (for example: a Norwegian 'hytte').

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL099	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL099						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Agriculture Leprosy Care Other Residence			Emergency Operations Meeting Place Raising of Animals Vacation Cottage			Emergency Shelter No Information Refugee Shelter Weather Station Grazing Observation Station Religious Activities

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Hut (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Hut (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Hut (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Hut (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Hut (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Hut (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Hut (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Hut (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Hut (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Hut (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Hut (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature HydrocarbonProdFacility (Area)New ☐ Hydrocarbon Products Facility**A facility involved in the production or distribution of petroleum, oil and/or natural gas products.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AC040	CONSTRAINED_STRING	Unitless	5	Feature Code

<i>allowed values:</i> AC040						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Gas Oil Separation Pipeline Transport						
			No Information	Other		
			Terminal	Transfer Hub		
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original						
			Historical Original	Historical Transliterated		
			No Information	Other		
			Unverified Transliterated	Variant Original		
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Asphalt Gas Non-solid Hydrocarbon Fuel Petroleum			Biodiesel Liquefied Natural Gas (LNG) Other Petroleum and/or Natural Gas			Chemical Liquefied Petroleum Gas (LPG) Petrochemical Plastic Fertilizer No Information Petrol
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: HydrocarbonProdFacility (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 HydrocarbonProdFacility (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 HydrocarbonProdFacility (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 HydrocarbonProdFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 HydrocarbonProdFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 HydrocarbonProdFacility (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 HydrocarbonProdFacility (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 HydrocarbonProdFacility (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 HydrocarbonProdFacility (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 HydrocarbonProdFacility (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 HydrocarbonProdFacility (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 HydrocarbonProdFacility (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature HydrocarbonProdFacility (Point)

New ☐ Hydrocarbon Products Facility

A facility involved in the production or distribution of petroleum, oil and/or natural gas products.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: No Information

allowed values: -999999.0

allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private		Military Public	No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AC040	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AC040						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Gas Oil Separation Pipeline Transport			No Information Terminal		Other Transfer Hub	Petroleum Refining
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
<i>allowed values:</i> Damaged No Information						
<i>allowed values:</i> Destroyed Unmaintained						
<i>allowed values:</i> Dismantled						
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Asphalt Gas Non-solid Hydrocarbon Fuel Petroleum						
<i>allowed values:</i> Biodiesel Liquefied Natural Gas (LNG) Other Petroleum and/or Natural Gas						
<i>allowed values:</i> Chemical Liquefied Petroleum Gas (LPG) Petrochemical Plastic						
<i>allowed values:</i> Fertilizer No Information Petrol						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
<i>allowed values:</i> Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: HydrocarbonProdFacility (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
HydrocarbonProdFacility (Point) - has dataset metadata in - Zero or one - Dataset (Area)
HydrocarbonProdFacility (Point) - has dataset metadata in - Zero or one - Dataset (Table)
HydrocarbonProdFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
HydrocarbonProdFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
HydrocarbonProdFacility (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
HydrocarbonProdFacility (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
HydrocarbonProdFacility (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
HydrocarbonProdFacility (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
HydrocarbonProdFacility (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
HydrocarbonProdFacility (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
HydrocarbonProdFacility (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature HydrocarbonsField (Area)

New ☐ Hydrocarbons Field

An area where the presence of recoverable petroleum, oil, and/or natural gas has been identified. [Description] The field can exist regardless of current exploitation activities.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AA052	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AA052						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Gas			No Information			Other Petroleum
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: HydrocarbonsField (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 HydrocarbonsField (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 HydrocarbonsField (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 HydrocarbonsField (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 HydrocarbonsField (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 HydrocarbonsField (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 HydrocarbonsField (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 HydrocarbonsField (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 HydrocarbonsField (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 HydrocarbonsField (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 HydrocarbonsField (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 HydrocarbonsField (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature HydrocarbonsField (Point)New ☐ Hydrocarbons Field

An area where the presence of recoverable petroleum, oil, and/or natural gas has been identified. [Description] The field can exist regardless of current exploitation activities.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AA052	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AA052						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

<u>allowed values:</u> <i>noInformation</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> <i>No Information</i>						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> <i>No Information</i> Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original Historical Original No Information Unverified Transliterated Historical Transliterated Other Native Original Provisional Variant Original Variant Transliterated						
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> <i>-999999.0</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> <i>No Information</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> <i>No Information</i>						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<u>allowed values:</u> Gas No Information Other Petroleum						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll
<u>allowed values:</u> <i>U</i>						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> <i>No Information</i> Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISDissem

allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships:

- HydrocarbonsField (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
- HydrocarbonsField (Point) - has dataset metadata in - Zero or one - Dataset (Area)
- HydrocarbonsField (Point) - has dataset metadata in - Zero or one - Dataset (Table)
- HydrocarbonsField (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
- HydrocarbonsField (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
- HydrocarbonsField (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
- HydrocarbonsField (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
- HydrocarbonsField (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)
- HydrocarbonsField (Point) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
- HydrocarbonsField (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)

Feature IceCap (Area)

New ☐ Ice-cap**A permanent layer of ice covering a tract of land (especially a polar region) or the top of a mountain. [Description] Usually includes a surface layer of snow.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BJ099	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BJ099						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Land Morphology	1	No Information	Enumeration	Unitless	0	The shape and/or configuration of the land surface as a whole or in a localized area.
<i>allowed values:</i> Depression Ridge			Dome			No Information Other
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<u>allowed values:</u> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						
New Snow or Ice Depth	1	[-999999.0, -999999.0]	REAL_Interval	Metre	0	The depth of the snow or ice. [Description] The snow or ice layer ranges from the top of the snow or ice surface to the underlying terrain.
<u>allowed values:</u> [-999999.0, -999999.0]						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation						
Terrain Morphology	1	No Information	Enumeration	Unitless	0	The type of terrain morphology based on composition and/or configuration. [Description] Terrain morphology influences military operations such as mobility prediction, mining of construction materials, and identification of potential landing sites.

allowed values: No Effect
Other

No Information

Numerous Crevasses

Numerous Rock Outcrops

Rugged with numerous Rock Outcrops

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: IceCap (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
IceCap (Area) - has dataset metadata in - Zero or one - Dataset (Area)
IceCap (Area) - has dataset metadata in - Zero or one - Dataset (Table)
IceCap (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
IceCap (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
IceCap (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
IceCap (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
IceCap (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
IceCap (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
IceCap (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature IceCliff (Line)

New ☐ Ice Cliff

The vertical face of a glacier or ice shelf.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BJ040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BJ040						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Predominant Feature Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: IceCliff (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 IceCliff (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 IceCliff (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 IceCliff (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 IceCliff (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 IceCliff (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 IceCliff (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 IceCliff (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 IceCliff (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 IceCliff (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 IceCliff (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 IceCliff (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)

Feature IcePeak (Point)New ☐ Ice Peak

A rocky peak projecting above a surrounding ice field that may be perpetually covered with ice.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BJ060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BJ060						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False			No Information			True	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem	
<i>allowed values:</i> noInformation							

Restriction Information : Security Attributes Group <resource non-intelligence community markings>							1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation												
Restriction Information : Security Attributes Group <resource owner-producer>							1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation												
New	Snow or Ice Depth						1	[-999999.0, -999999.0]	REAL_Interval	Metre	0	The depth of the snow or ice. [Description] The snow or ice layer ranges from the top of the snow or ice surface to the underlying terrain.
<i>allowed values:</i> [-999999.0, -999999.0]												
Specified Domain Value(s)							1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation												
Structural Material Type							3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Frozen Water Sand									No Information Soil			Other Rock
Unique Entity Identifier							1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation												
<i>allowed values:</i> pimGUID												
Width							1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0												

Relationships: IcePeak (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 IcePeak (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 IcePeak (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 IcePeak (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 IcePeak (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 IcePeak (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 IcePeak (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 IcePeak (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 IcePeak (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 IcePeak (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 IcePeak (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 IcePeak (Point) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup)

Feature IceRoute (Line)New ☐ Ice Route

A route over a frozen watercourse. [Description] Usually marked and intended to support substantial vehicle traffic. Often designed as an alternate to a seasonally-closed ferry crossing.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AQ075	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ075						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Identification <route designation>	3	No Information	String	Unitless	24	The official type(s) and/or designation(s) assigned to a route. [Description] A road network may be identified in accordance with a specified typing scheme (for example: based the nature of service that it is intended to provide) and numbering scheme (for example: composed of a prefix indicating an administrative region and then a number).
<i>allowed values:</i> No Information						
Route Identification <route designation type>	3	No Information	Enumeration	Unitless	0	The type of designation of a road network according to the nature of service that it is intended to provide, as designated by international, national and/or other administrative authorities.
<i>allowed values:</i> International No Information			Local Other			National Secondary National Motorway
New Sinuosity	1	-999999.0	Real	Metres	0	The actual path length divided by the shortest path length of a section of the road or trail allowing for estimates of speed given the curves of the roadway. [Description] This allows for routing algorithms to more precisely estimate the speed.
<i>allowed values:</i> -999999.0						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Speed Limit (KPH)	1	-999999.0	Real	Kilometre per Hour	0	The maximum vehicle speed legally permitted, expressed in kilometres per hour.
<i>allowed values:</i> -999999.0						
Speed Limit (MPH)	1	-999999.0	Real	Statute Mile per Hour	0	The maximum vehicle speed legally permitted, expressed in miles per hour.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: IceRoute (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 IceRoute (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 IceRoute (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 IceRoute (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 IceRoute (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 IceRoute (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 IceRoute (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 IceRoute (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 IceRoute (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 IceRoute (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 IceRoute (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 IceRoute (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature IceShelf (Area)New ☐ Ice Shelf

A floating ice sheet of considerable thickness that is normally attached to the land along its landward edge. [Description] Ice shelves are the seaward extension of land glaciers. Limited areas of the ice shelf may be aground where the glacier first enters the water and possibly in other places offshore. Ice shelves are usually of great horizontal extent and have a level or gently undulating surface. The seaward edge of an ice shelf is termed an 'ice cliff'.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	BJ065	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BJ065						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: IceShelf (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
IceShelf (Area) - has dataset metadata in - Zero or one - Dataset (Area)
IceShelf (Area) - has dataset metadata in - Zero or one - Dataset (Table)
IceShelf (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
IceShelf (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
IceShelf (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
IceShelf (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
IceShelf (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
IceShelf (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
IceShelf (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
IceShelf (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
IceShelf (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature IndustrialFarm (Area)

New ☐ Industrial Farm

An estate or large farm operating on the plantation economy model in which the farm operates as a single economic unit whose operations are based on agricultural mass production of a few staple crops (for example: cotton, tobacco, sugar cane, bananas, and/or rubber) that are typically not indigenous to the region. [Description] Plantation economies are often dependent on distant (for example: export) markets as the crops are harvested in large quantities. Historically, industrial farms were often found in former European colonies and termed 'plantations'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
Canopy Cover	1	-999999.0	REAL	percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i>	-999999.0					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	[-999999, -999999]					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>	Civilian Other		Joint Military and Civilian Private		Military Public	No Information
Crop Information : Crop Species	3	No Information	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i>	Bamboo Coffee Oil Crop Sugar Cane Tobacco		Banana Cork-Oak Oil Palm Sugar Crop		Cacao Cotton Other Tea	Coconut No Information Rubber Timber
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i>	noInformation					
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
Crop Information : Farming Method	3	No Information	Enumeration	Unitless	0	The agricultural practice(s) in use within an agro-ecosystem.
<i>allowed values:</i>	Fallow Permanent		Grazing Slash and Burn		No Information	Other
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i>	Intermingled Trees No Information Treeless		Intermingled Woods Other Trellised		Irregular Regular	Linear Terraced
New Feature Code	1	AL270	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AL270					
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i>	Emergency Operations No Information		Growing of Crops Other		Meeting Place	Mixed Farming
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i>	noInformation					
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<i>allowed values:</i>	Deciduous Other		Evergreen		Mixed	No Information

	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
New	Crop Information : Permanent Irrigation	1	No Information	Boolean	Unitless	0	An indication that a field is continuously used for cultivation and permanent irrigation is required due to the natural aridity of the area.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.

<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled
Predominant Vegetation Height	1	-999999.0	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.	
<i>allowed values:</i> -999999.0							
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.	
<i>allowed values:</i>	Coffee Fish Milk Olive Oil Salt Vegetation Product		Consumer Goods Food Milled Grain Other Sugar Wine			Cotton Fruit No Information Rice Textile	Desalinated Water Lumber No Product Rubber Tobacco
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIntC	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer	
<i>allowed values:</i> noInformation							
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.	

allowed values: noInformation

Stem Diameter	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<i>allowed values:</i> [-999999.0, -999999.0]						
Tree Spacing	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
<i>allowed values:</i> [-999999.0, -999999.0]						
Undergrowth Density	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<i>allowed values:</i> Bamboo Cypress Nipa No Information Other Palm						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: IndustrialFarm (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 IndustrialFarm (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 IndustrialFarm (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 IndustrialFarm (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 IndustrialFarm (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 IndustrialFarm (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 IndustrialFarm (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 IndustrialFarm (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 IndustrialFarm (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 IndustrialFarm (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 IndustrialFarm (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 IndustrialFarm (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature IndustrialFarm (Point)

New ☐ Industrial Farm

An estate or large farm operating on the plantation economy model in which the farm operates as a single economic unit whose operations are based on agricultural mass production of a few staple crops (for example: cotton, tobacco, sugar cane, bananas, and/or rubber) that are typically not indigenous to the region. [Description] Plantation economies are often dependent on distant (for example: export) markets as the crops are harvested in large quantities. Historically, industrial farms were often found in former European colonies and termed 'plantations'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Canopy Cover	1	-999999.0	REAL	percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999.0						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Crop Information : Crop Species	3	No Information	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i> Bamboo Coffee Oil Crop Sugar Cane Tobacco			Banana Cork-Oak Oil Palm Sugar Crop			Cacao Cotton Other Tea Coconut No Information Rubber Timber
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
Crop Information : Farming Method	3	No Information	Enumeration	Unitless	0	The agricultural practice(s) in use within an agro-ecosystem.
<i>allowed values:</i> Fallow Permanent			Grazing Slash and Burn			No Information Other
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New Feature Code	1	AL270	CONSTRAINED_STRING	Unitless	5	Feature Code

<i>allowed values:</i> AL270						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Emergency Operations No Information						
Growing of Crops						
Meeting Place						
Mixed Farming						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<i>allowed values:</i> Deciduous						
Evergreen						
Mixed						
No Information						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional						
Native Transliterated						
Historical Original						
Historical Transliterated						
Native Original						
Provisional						
Unverified Original						
Unverified Transliterated						
Variant Original						
Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
New Crop Information : Permanent Irrigation	1	No Information	Boolean	Unitless	0	An indication that a field is continuously used for cultivation and permanent irrigation is required due to the natural aridity of the area.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
Predominant Vegetation Height	1	-999999.0	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
<i>allowed values:</i> -999999.0						
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Coffee Fish Milk Olive Oil Salt Vegetation Product			Consumer Goods Food Milled Grain Other Sugar Wine			Cotton Fruit No Information Rice Textile Desalinated Water Lumber No Product Rubber Tobacco
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Stem Diameter	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<i>allowed values:</i> [-999999.0, -999999.0]						
Tree Spacing	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
<i>allowed values:</i> [-999999.0, -999999.0]						
Undergrowth Density	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<i>allowed values:</i> Bamboo Other			Cypress Palm			Nipa No Information
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: IndustrialFarm (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 IndustrialFarm (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 IndustrialFarm (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 IndustrialFarm (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 IndustrialFarm (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 IndustrialFarm (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 IndustrialFarm (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 IndustrialFarm (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 IndustrialFarm (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 IndustrialFarm (Point) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup)

Feature IndustrialFurnace (Area)New ☐ Industrial Furnace

A structure used in material processing that employs heating to harden (for example: to fire brick or ceramic), pyrolyse (for example: convert coal to coke, or limestone to lime), burn (for example: to incinerate waste), or dry (for example: lumber). [Description] May assume many forms, for example a domed 'beehive' kiln or a long linear coke oven battery.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AC060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AC060						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
	<u>allowed values:</u> Brick Lumber			Cement No Information			Charcoal Other Lime Pottery

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: IndustrialFurnace (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 IndustrialFurnace (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 IndustrialFurnace (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 IndustrialFurnace (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 IndustrialFurnace (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 IndustrialFurnace (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 IndustrialFurnace (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 IndustrialFurnace (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 IndustrialFurnace (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 IndustrialFurnace (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature IndustrialFurnace (Point)

New ☐ Industrial Furnace

A structure used in material processing that employs heating to harden (for example: to fire brick or ceramic), pyrolyse (for example: convert coal to coke, or limestone to lime), burn (for example: to incinerate waste), or dry (for example: lumber). [Description] May assume many forms, for example a domed 'beehive' kiln or a long linear coke oven battery.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AC060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AC060						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Historical Original No Information Unverified Transliterated							
Historical Transliterated Other Variant Original							
Native Original Provisional Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False							
No Information							
True							

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i>	Brick Lumber		Cement No Information			Charcoal Other Lime Pottery
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: IndustrialFurnace (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 IndustrialFurnace (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 IndustrialFurnace (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 IndustrialFurnace (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 IndustrialFurnace (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 IndustrialFurnace (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 IndustrialFurnace (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 IndustrialFurnace (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 IndustrialFurnace (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 IndustrialFurnace (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature InlandWaterbody (Area)

New ☐ Inland Waterbody

A body of water that is entirely surrounded by land. [Description] It may occur in a natural terrain depression in which water collects, or may be impounded by a dam, or formed by its bed being hollowed out of the soil, or formed by embanking and/or damming up a natural hollow (for example: by a beaver dam). Inland waterbodies have many uses such as: a source of water for irrigation, industrial processes, human consumption, and recreation. Impounded inland waterbodies may also be used for flood control.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999.0 <i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate Other			Left Right			No Flow No Information

<i>allowed values:</i> Indeterminate Other		Left Right		No Flow		No Information
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> No Information			Other			Private Public
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Dammed	1	No Information	Boolean	Unitless	0	An indication that a body of water is impounded by a dam.
<i>allowed values:</i> False			No Information			True
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH082	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH082						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Aquaculture No Information Water Collection			Commerce Other Water Transport			Fishing Power Generation Yacht-club Navigation Recreation
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: No Information			Other			
Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999.0						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
allowed values: Dry			Intermittent			No Information Perennial
Inland Water Type	1	No Information	Enumeration	Unitless	0	The type of an inland water based on its principal characteristics.
allowed values: Basin Other Water-hole			Lake Pond			Landlocked Sea Reservoir No Information Undifferentiated Water Body
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
allowed values: -999999.0						
Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
allowed values: False			No Information			True
Man-made Shoreline	1	No Information	Boolean	Unitless	0	An indication that a body of water is completely surrounded by a man-made shoreline.
allowed values: False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> <i>-999999.0</i>						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> <i>-999999.0</i>						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Predominant Maximum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> <i>-999999.0</i>						
Predominant Minimum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> <i>-999999.0</i>						
Predominant Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> <i>[-999999.0, -999999.0]</i>						
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i> <i>[-999999.0, -999999.0]</i>						
<i>allowed values:</i> <i>[-999999.0, -999999.0]</i>						
Inland Waterbody Bank : Predominant Waterbody Bank Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> <i>[-999999.0, -999999.0]</i>						
<i>allowed values:</i> <i>[-999999.0, -999999.0]</i>						
New Water Resource Information : Reservoir Type	1	No Information	Enumeration	Unitless	0	Indicates the method of containing the water in a reservoir.
<i>allowed values:</i> <i>Back-up Water Impounded by a Dam</i>			Constructed Basin			No Information Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/icsm/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> <i>U</i>						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False			No Information			True
<i>allowed values:</i> False			No Information			True
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Seawater			Brackish No Information			Brine Not Applicable Fresh Saline
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational
Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
<i>allowed values:</i> -999999.0 <i>allowed values:</i> -999999.0						
Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
<i>allowed values:</i> [-999999.0, -999999.0] <i>allowed values:</i> [-999999.0, -999999.0]			-999999.0			
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: InlandWaterbody (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 InlandWaterbody (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 InlandWaterbody (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 InlandWaterbody (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 InlandWaterbody (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 InlandWaterbody (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 InlandWaterbody (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 InlandWaterbody (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 InlandWaterbody (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 InlandWaterbody (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 InlandWaterbody (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 InlandWaterbody (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature InlandWaterbody (Point)New ☐ Inland Waterbody

A body of water that is entirely surrounded by land. [Description] It may occur in a natural terrain depression in which water collects, or may be impounded by a dam, or formed by its bed being hollowed out of the soil, or formed by embanking and/or damming up a natural hollow (for example: by a beaver dam). Inland waterbodies have many uses such as: a source of water for irrigation, industrial processes, human consumption, and recreation. Impounded inland waterbodies may also be used for flood control.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999.0						
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate			Left			No Flow
<i>allowed values:</i> Other			Right			No Information
<i>allowed values:</i> Indeterminate			Left			No Flow
<i>allowed values:</i> Other			Right			No Information
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						

Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> No Information			Other			Private Public
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Dammed	1	No Information	Boolean	Unitless	0	An indication that a body of water is impounded by a dam.
<i>allowed values:</i> False			No Information			True
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH082	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH082						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Aquaculture No Information Water Collection			Commerce Other Water Transport			Fishing Power Generation Navigation Recreation Yacht-club
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.	
<i>allowed values:</i> Dry			Intermittent			No Information	Perennial
Inland Water Type	1	No Information	Enumeration	Unitless	0	The type of an inland water based on its principal characteristics.	
<i>allowed values:</i> Basin Other Water-hole			Lake Pond			Landlocked Sea Reservoir	No Information Undifferentiated Water Body
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.	
<i>allowed values:</i> -999999.0							
Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.	
<i>allowed values:</i> False			No Information			True	
Man-made Shoreline	1	No Information	Boolean	Unitless	0	An indication that a body of water is completely surrounded by a man-made shoreline.	
<i>allowed values:</i> False			No Information			True	
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False			No Information			True	
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).	
<i>allowed values:</i> -999999.0							
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.	
<i>allowed values:</i> -999999.0							

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Predominant Maximum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	-999999.0					
Predominant Minimum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	-999999.0					
Predominant Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	[-999999.0, -999999.0]					
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i>	[-999999.0, -999999.0]					
<i>allowed values:</i>	[-999999.0, -999999.0]					
Inland Waterbody Bank : Predominant Waterbody Bank Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i>	[-999999.0, -999999.0]					
<i>allowed values:</i>	[-999999.0, -999999.0]					
New Water Resource Information : Reservoir Type	1	No Information	Enumeration	Unitless	0	Indicates the method of containing the water in a reservoir.
<i>allowed values:</i>	Back-up Water Impounded by a Dam		Constructed Basin			No Information Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False			No Information			True
<i>allowed values:</i> False			No Information			True
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						

Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Seawater			Brackish No Information			Brine Not Applicable Fresh Saline
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational
Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
<i>allowed values:</i> -999999.0						
<i>allowed values:</i> -999999.0						
Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]			-999999.0			
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

- Relationships:**
- InlandWaterbody (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 - InlandWaterbody (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 - InlandWaterbody (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 - InlandWaterbody (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 - InlandWaterbody (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 - InlandWaterbody (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 - InlandWaterbody (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 - InlandWaterbody (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 - InlandWaterbody (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 - InlandWaterbody (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 - InlandWaterbody (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 - InlandWaterbody (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature InlandWaterbodyAON (Area)

New ☒ Inland Waterbody Area of Numerous

Area of numerous bodies of water that are entirely surrounded by land.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: $((h2-h1)/d)*100$.
<i>allowed values:</i> -999999.0						
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Dammed	1	No Information	Boolean	Unitless	0	An indication that a body of water is impounded by a dam.
<i>allowed values:</i> False			No Information			True
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.

<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Non-operational Not in Operation Operational Partially Operational Planned Temporarily Non-operational						
New Feature Code	1	NM082	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> NM082						
Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.
<u>allowed values:</u> -999999						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Aquaculture Commerce Fishing Navigation No Information Other Power Generation Recreation Water Collection Water Transport Yacht-club						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information Other						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<u>allowed values:</u> Dry Intermittent No Information Perennial						
Inland Water Type	1	No Information	Enumeration	Unitless	0	The type of an inland water based on its principal characteristics.
<u>allowed values:</u> Basin Lake Landlocked Sea No Information Other Pond Reservoir Undifferentiated Water Body Water-hole						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999.0						
Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
<u>allowed values:</u> False No Information True						
Man-made Shoreline	1	No Information	Boolean	Unitless	0	An indication that a body of water is completely surrounded by a man-made shoreline.
<u>allowed values:</u> False No Information True						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Predominant Maximum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
New Water Resource Information : Reservoir Type	1	No Information	Enumeration	Unitless	0	Indicates the method of containing the water in a reservoir.
<i>allowed values:</i> Back-up Water Impounded by a Dam Constructed Basin No Information Other						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False			No Information			True
<i>allowed values:</i> False			No Information			True
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational
Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
<i>allowed values:</i> -999999.0						
Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
<i>allowed values:</i> [-999999.0, -999999.0] <i>allowed values:</i> [-999999.0, -999999.0]						

Relationships: InlandWaterbodyAON (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 InlandWaterbodyAON (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 InlandWaterbodyAON (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 InlandWaterbodyAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 InlandWaterbodyAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 InlandWaterbodyAON (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 InlandWaterbodyAON (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 InlandWaterbodyAON (Area) - is a member of group - Exactly one - HydrographyAON (FeatureGroup)
 InlandWaterbodyAON (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)

Feature Installation (Area)

New ☐ Installation

A grouping of facilities, located in the same vicinity, which support particular functions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL011	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL011						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values:	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values:	-999999.0					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values:	False		No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
allowed values:	Construction Intact		Damaged No Information		Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMClassificationAll
allowed values:	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values:	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMDissem
allowed values:	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMNonIC
allowed values:	noInformation					

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMOwnerProducer
<u>allowed values:</u> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<u>allowed values:</u> noInformation						
<u>allowed values:</u> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Installation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Installation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Installation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Installation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Installation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Installation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Installation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Installation (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Installation (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Installation (Area) - is a member of group - Exactly one - FacilitySrf (FeatureGroup)

Feature Installation (Point)New ☐ Installation**A grouping of facilities, located in the same vicinity, which support particular functions.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AL011	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL011						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original Historical Original No Information Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Installation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Installation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Installation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Installation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Installation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Installation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Installation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Installation (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Installation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Installation (Point) - is a member of group - Exactly one - FacilityPnt (FeatureGroup)

Feature InstallationBoundary (Line)

New ☒ Installation Boundary

The line of demarcation specifying the operational limits of a functional area controlled by a recognized authority. [Description] The geographic limits of the installation boundary may include both land and water currently owned or used by the recognized controlling installation or facility. Typically, the installation boundary will enclose a grouping of facilities, located in the same general vicinity, which support functions particular to the needs and requirements of the installation property. The controlling installation or facility may have been constructed to support military operations.its of the installation boundary may include both land and water currently owned or used by the recognized controlling installation or facility. Typically, the installation boundary will enclose a grouping of facilities, located in the same general vicinity, which support functions particular to the needs and requirements of the installation property. The controlling installation or facility may have been constructed to support military operations.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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<i>allowed values:</i> [-999999, -999999]							
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
New	Feature Code	1	SU030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> SU030							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information				Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	
						Native Original Provisional Variant Transliterated	
	Length	1	-999999.0	Real	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U							

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						

Relationships: InstallationBoundary (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 InstallationBoundary (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 InstallationBoundary (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 InstallationBoundary (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 InstallationBoundary (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 InstallationBoundary (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 InstallationBoundary (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 InstallationBoundary (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 InstallationBoundary (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 InstallationBoundary (Line) - is a member of group - Exactly one - MilitaryCrv (FeatureGroup)

Feature InsubstantialNavMark (Point)New ☐ Insubstantial Navigation Mark

A small, insubstantial navigational mark. [Description] For example, a staff placed on top of a rock or shoal to mark a hazard or serve as a navigational aid.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Doubtful Least Depth Not Applicable Unconfirmed Depth						
			Depth Known Maintained Depth Other Unmaintained Depth			
					Depth Unknown No Bottom Reported Depth	Depth Unreliable No Information Safe Clearance Known
Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Side-scan Sonar Computer Generated Lead-line Other Singlebeam						
			Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle			
					Area Swept by Wire-drag Echo Sounder Multi-beam Echo Sounder Satellite Imagery	Bathymetric LiDAR Electromagnetic Sensor No Information Side-scan Sonar
Beacon Type	1	No Information	Enumeration	Unitless	0	The type of a beacon based on its significance to maritime navigation.
<i>allowed values:</i> Cable Mark Ferry Crossing Mark Measured Distance Outfall Mark Reduced Wake Speed Limit Mark Target Mark						
			Cairn Insubstantial Navigation Mark No Information Overhead Power Cable Mark Restricted Horizontal Clearance Mark Starboard-hand Edge Telephone Mark			
					Channel Edge Gradient Leading Line Not Applicable Pile Beacon Restricted Vertical Clearance Mark Stop Mark Withy	Degaussing Range Mark Maximum Vessel's Draught Mark Other Port-hand Edge Sound Ship's Siren Strong Current Warning Mark
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BC080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BC080						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Hydrographic Base Height	1	-999999.0	REAL	Metre	0	The height from a specified sounding datum to the bottom or base of a feature (for example: the base of a lighthouse).
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information		Destroyed Unmaintained	Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Hydrographic Base Height : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<i>allowed values:</i>						
Approximate Lowest Astronomical Tide			Approximate Mean Low Water			Approximate Mean Low Water Springs
Approximate Mean Sea Level			Chart Datum (Unspecified)			Equinoctial Spring Low Water
High Water Springs			Higher High Water			Higher High Water Large Tide
Highest High Water			Indian Spring High Water			Indian Spring Low Water
Local Datum			Low Water			Low Water Springs
Lower Low Water Large Tide			Lowest Astronomical Tide			Lowest Low Water
Mean High Water			Mean High Water Neaps			Mean High Water Springs
Mean Higher High Water Springs			Mean Low Water			Mean Low Water Neaps
Mean Lower Low Water			Mean Lower Low Water Springs			Mean Sea Level
Mean Water Level			Neap Tide			Nearly Highest High Water
No Information			Other			Spring Tide
Hydrographic Base Height : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
<i>allowed values:</i> No Information						
Hydrographic Base Height : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
<i>allowed values:</i>						
Mathews Tables			No Information			Not Applicable
Sound Velocity Meter			Sounder 1500 Calibrated			Other
						Sounder Other Calibrated

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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allowed values: Metal
Wood

No Information

Other

Plastic

Topmark Shape	1	No Information	Enumeration	Unitless	0	The characteristic topmark or daymark shape attached to a maritime aid to navigation to aid identification. [Description] May be secured at the top of a buoy or beacon.
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allowed values: Ball over Cone
Cone over Ball
Diamond over Ball

Besom Point Downward
Cone Point Upward
No Information

Besom Point Upward
Cross over Ball
Other

Can over Ball
Cylinder

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Hydrographic Base Height : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
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allowed values: False

No Information

True

Relationships: InsubstantialNavMark (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 InsubstantialNavMark (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 InsubstantialNavMark (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 InsubstantialNavMark (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 InsubstantialNavMark (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 InsubstantialNavMark (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 InsubstantialNavMark (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 InsubstantialNavMark (Point) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup)
 InsubstantialNavMark (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 InsubstantialNavMark (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature InterestSite (Area)

New ☐ Interest Site

A site maintained for the public and declared to be of national or provincial historical significance and/or interest.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.

allowed values: No Information

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
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allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information		Non-operational		Not in Operation		Operational
	Partially Operational		Planned		Temporarily Non-operational		
New	Feature Code	1	AL201	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL201						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information		Other				
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional		Historical Original		Historical Transliterated		Native Original
	Native Transliterated		No Information		Other		Provisional
	Unverified Original		Unverified Transliterated		Variant Original		Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Historic Significance	1	No Information	Enumeration	Unitless	0	The recognized historic significance of a site and/or facility, if any.

allowed values:	Ancient National Political		Battlefield No Information Religious		Historic Not Significant		Military Other
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
allowed values:	-999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
allowed values:	No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
allowed values:	No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
allowed values:	False		No Information		True		
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
allowed values:	Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.	
allowed values:	Buddhism Islam No Information Roman Catholic		Chaldean Judaism Orthodox Shia			Christian Mixed and/or No Designation Other Shinto	Hinduism Nestorian Protestant Sunni
Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.	
allowed values:	Cathedral Hermitage Monastery Other Seminary Tabernacle		Chapel Marabout Mosque Pagoda Shrine Temple			Church Minaret No Information Religious Community Stupa	Convent Mission Noviciate Retreat Synagogue
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMClassificationAll	
allowed values:	U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
allowed values:	No Information		Other				

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: InterestSite (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
InterestSite (Area) - has dataset metadata in - Zero or one - Dataset (Area)
InterestSite (Area) - has dataset metadata in - Zero or one - Dataset (Table)
InterestSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
InterestSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
InterestSite (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
InterestSite (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
InterestSite (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
InterestSite (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature InterestSite (Point)

New ☐ Interest Site

A site maintained for the public and declared to be of national or provincial historical significance and/or interest.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL201	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL201						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Historic Significance	1	No Information	Enumeration	Unitless	0	The recognized historic significance of a site and/or facility, if any.
<i>allowed values:</i> Ancient National Political			Battlefield No Information Religious			Military Other
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i> Buddhism Islam No Information Roman Catholic			Chaldean Judaism Orthodox Shia			Christian Mixed and/or No Designation Other Shinto Hinduism Nestorian Protestant Sunni
Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.
<i>allowed values:</i> Cathedral Hermitage Monastery Other Seminary Tabernacle			Chapel Marabout Mosque Pagoda Shrine Temple			Church Minaret No Information Religious Community Stupa Convent Mission Noviciate Retreat Synagogue

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: InterestSite (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 InterestSite (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 InterestSite (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 InterestSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 InterestSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 InterestSite (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 InterestSite (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 InterestSite (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 InterestSite (Point) - is a member of group - Exactly one - CulturePnt (FeatureGroup)

Feature InternationalDateLine (Line)

New ☐ International Date Line

A line designated as the place on the Earth where each calendar day begins. [Description] This line generally coincides with the 180th meridian but is modified to avoid land.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	FA110	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FA110						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: InternationalDateLine (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 InternationalDateLine (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 InternationalDateLine (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 InternationalDateLine (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 InternationalDateLine (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 InternationalDateLine (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 InternationalDateLine (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 InternationalDateLine (Line) - is a member of group - Exactly one - BoundaryCrv (FeatureGroup)
 InternationalDateLine (Line) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 InternationalDateLine (Line) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 InternationalDateLine (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 InternationalDateLine (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Island (Area)New ☐ Island**A land mass, other than a continent, surrounded by water.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BA030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BA030						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Shoreline Delineated	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False			No Information			True
Shoreline Type	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Mangrove Other			Coral Marshy Sandy			Erosion Rubble Mud Shingly Ice No Information Stony
Water Line : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<i>allowed values:</i> Highest High Water Lowest Low Water Mean Higher High Water Springs Mean Lower Low Water Springs			Indian Spring High Water Mean High Water Mean Low Water Mean Sea Level			Indian Spring Low Water Mean High Water Springs Mean Low Water Springs Lowest Astronomical Tide Mean Higher High Water Mean Lower Low Water Other
Water Line : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
<i>allowed values:</i> No Information						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Island (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Island (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Island (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Island (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Island (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Island (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Island (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Island (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Island (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Island (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Island (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Island (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature Island (Point) New ☐ Island

A land mass, other than a continent, surrounded by water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
New Feature Code	1	BA030	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BA030						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2

<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Shoreline Delineated	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False			No Information			True
Shoreline Type	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Mangrove Other			Coral Marshy Sandy			Erosion Rubble Mud Shingly Ice No Information Stony
Water Line : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<i>allowed values:</i> Highest High Water Lowest Low Water Mean Higher High Water Springs Mean Lower Low Water Springs			Indian Spring High Water Mean High Water Mean Low Water Mean Sea Level			Indian Spring Low Water Mean High Water Springs Mean Low Water Springs No Information Lowest Astronomical Tide Mean Higher High Water Mean Lower Low Water Other
Water Line : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
<i>allowed values:</i> No Information						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Island (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Island (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Island (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Island (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Island (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Island (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Island (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Island (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Island (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Island (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Island (Point) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup)

Feature Lagoon (Area)New ☐ Lagoon

An enclosed area of salt or brackish water separated from the open sea by some more or less effective, but not complete, obstacle (for example: a sand bank). [Description] The name most commonly used for the area of water enclosed by a barrier reef or atoll.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
<i>allowed values:</i> Coral			No Information			Other Rocks and Boulders
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BH190	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH190						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Other							
Historical Original No Information Unverified Transliterated							
Historical Transliterated Other Variant Original							
Native Original Provisional Variant Transliterated							
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999.0							
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<u>allowed values:</u> Dry Perennial							
Ephemeral							
Intermittent							
No Information							
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> -999999.0							
	Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999.0							
	Predominant Maximum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> -999999.0							

Predominant Minimum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						

Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry Other						
Always Submerged						
Covers and Uncovers						
No Information						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline						
Brackish						
No Information						
Brine						
Not Applicable						
Fresh						
Other						
Seawater						

Relationships: Lagoon (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Lagoon (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Lagoon (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Lagoon (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Lagoon (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Lagoon (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Lagoon (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Lagoon (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 Lagoon (Area) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 Lagoon (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Lagoon (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature LandAerodrome (Area)

New ☐ Land Aerodrome

An aerodrome on land intended to be used either wholly or in part for the arrival, departure and surface movement of aircraft.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999.0	REAL	metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area.
<i>allowed values:</i> -999999.0						
Aerodrome Official Name	1	No Information	String	Unitless	80	The primary official name of an aerodrome as designated by an appropriate authority.
<i>allowed values:</i> No Information						
Airfield Symbol Type	1	No Information	Enumeration	Unitless	0	The type of airfield symbol designation.

	allowed values:	A - Active Civilian E - Abandoned or Closed (with usable runways or landing areas) X - Decoy	B - Active Joint (Civilian/Military) F - Highway Strip	C - Active Military G - Unusable for landing or take-off	D - Active (with less than the minimum facilities) No Information	
Airfield Type	1	No Information	Enumeration	Unitless	0	The type of an airfield based on the size and/or paving of its runways.
	allowed values:	Major No Information	Minor Other	Minor and Hard		Minor and Soft
Airfield Use	3	No Information	Enumeration	Unitless	0	The primary use(s) of an airfield.
	allowed values:	Emergency Major Airfield Parascending Site	General Aviation Aircraft Operating Only Minor Airfield Search and Rescue Airfield		Glider Site No Information Ultralight Site	Hang Glider Site Other Winch Launched Hang Glider Site
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	allowed values:	-999999.0				
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	allowed values:	noInformation				
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	allowed values:	[-999999, -999999]				
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	allowed values:	Civilian Other	Joint Military and Civilian Private		Military Public	No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	allowed values:	noInformation				
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	allowed values:	No Information Partially Operational	Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	GB005	CONSTRAINED_STRING	Unitless	5	Feature Code
	allowed values:	GB005				
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	allowed values:	noInformation				
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	allowed values:	No Information				
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc. [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	allowed values:	No Information		Other		

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
ICAO Location Indicator	1	noInformation	StructuredText	Unitless	14	The identifier that is assigned to a location in accordance with rules prescribed by the International Civil Aviation Organization (ICAO) in Document 7910. [Description] If available this indicator shall be used as primary for identification. [DatatypeSpecification] A structured text value specifying an ICAO location indicator. [EncodingSpecification] The 2 letter ICAO code of the State being responsible for the aerodrome in accordance with ICAO Doc7910, followed by either a two-digit integer between 01 and 99 or characters in the range A-Z.
<i>allowed values:</i> noInformation						
Installation Operator	1	No Information	String	Unitless	2E+09	The name of the company or authority operating an installation.
<i>allowed values:</i> No Information						
New Largest Aircraft	1	No Information	String	Unitless	254	The largest aircraft that has used the facility within the past five years.
<i>allowed values:</i> No Information						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Magnetic Variation	1	-999999.0	Real	Arc Degree	0	The angular difference between True North and Magnetic North measured at a given position and date. [Description] The value given indicates whether the angular difference is East (positive) or West (negative) of True North. True North is the direction of the northern point at which the geographic meridian lines meet.
<i>allowed values:</i> -999999.0						
Magnetic Variation Information : Magnetic Variation Date	1	noInformation	StructuredText	Unitless	20	The date on which the magnetic variation was measured. [Structure] MMDDYYYY
<i>allowed values:</i> noInformation						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
Port of Entry	1	No Information	Boolean	Unitless	0	An indication that a facility is a port of entry for customs and immigration purposes.
<i>allowed values:</i> False			No Information			True

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: LandAerodrome (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LandAerodrome (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 LandAerodrome (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 LandAerodrome (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LandAerodrome (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LandAerodrome (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LandAerodrome (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LandAerodrome (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 LandAerodrome (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 LandAerodrome (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 LandAerodrome (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 LandAerodrome (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature LandAerodrome (Point) New ☐ Land Aerodrome

An aerodrome on land intended to be used either wholly or in part for the arrival, departure and surface movement of aircraft.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999.0	REAL	metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area.
<i>allowed values:</i> -999999.0						
Aerodrome Official Name	1	No Information	String	Unitless	80	The primary official name of an aerodrome as designated by an appropriate authority.
<i>allowed values:</i> No Information						
Airfield Symbol Type	1	No Information	Enumeration	Unitless	0	The type of airfield symbol designation.
<i>allowed values:</i>						
A - Active Civilian			B - Active Joint (Civilian/Military)			C - Active Military
E - Abandoned or Closed (with usable runways or landing areas)			F - Highway Strip			G - Unusable for landing or take-off
X - Decoy						D - Active (with less than the minimum facilities) No Information
Airfield Type	1	No Information	Enumeration	Unitless	0	The type of an airfield based on the size and/or paving of its runways.
<i>allowed values:</i>						
Major			Minor			Minor and Hard
No Information			Other			Minor and Soft
Airfield Use	3	No Information	Enumeration	Unitless	0	The primary use(s) of an airfield.
<i>allowed values:</i>						
Emergency			General Aviation Aircraft Operating Only			Glider Site
Major Airfield			Minor Airfield			Hang Glider Site
Parascending Site			Search and Rescue Airfield			No Information
						Other
						Winch Launched Hang Glider Site
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	GB005	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> GB005						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	ICAO Location Indicator	1	noInformation	StructuredText	Unitless	14	The identifier that is assigned to a location in accordance with rules prescribed by the International Civil Aviation Organization (ICAO) in Document 7910. [Description] If available this indicator shall be used as primary for identification. [DatatypeSpecification] A structured text value specifying an ICAO location indicator. [EncodingSpecification] The 2 letter ICAO code of the State being responsible for the aerodrome in accordance with ICAO Doc7910, followed by either a two-digit integer between 01 and 99 or characters in the range A-Z.
	<i>allowed values:</i> noInformation						
	Installation Operator	1	No Information	String	Unitless	2E+09	The name of the company or authority operating an installation.
	<i>allowed values:</i> No Information						
New	Largest Aircraft	1	No Information	String	Unitless	254	The largest aircraft that has used the facility within the past five years.
	<i>allowed values:</i> No Information						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Magnetic Variation	1	-999999.0	Real	Arc Degree	0	The angular difference between True North and Magnetic North measured at a given position and date. [Description] The value given indicates whether the angular difference is East (positive) or West (negative) of True North. True North is the direction of the northern point at which the geographic meridian lines meet.
<i>allowed values:</i> -999999.0						
Magnetic Variation Information : Magnetic Variation Date	1	noInformation	StructuredText	Unitless	20	The date on which the magnetic variation was measured. [Structure] MMDDYYYY
<i>allowed values:</i> noInformation						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
Port of Entry	1	No Information	Boolean	Unitless	0	An indication that a facility is a port of entry for customs and immigration purposes.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: LandAerodrome (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
LandAerodrome (Point) - has dataset metadata in - Zero or one - Dataset (Area)
LandAerodrome (Point) - has dataset metadata in - Zero or one - Dataset (Table)
LandAerodrome (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
LandAerodrome (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
LandAerodrome (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
LandAerodrome (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
LandAerodrome (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
LandAerodrome (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
LandAerodrome (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)

Feature LandingZone (Area)

New ☒ Landing Zone

An identified area for aircraft landing or the pick-up or drop-off of troops, equipment or supplies. [Description] This is usually an established site, and it is not to be used for features typically classified as runways, helipads, heliports or aerodromes. Varied types of aircraft may use this landing zone.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<u>allowed values:</u> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
New	Feature Code	1	STB23	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> STB23						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information			Other			
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
	<u>allowed values:</u> noInformation						
	Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
	<u>allowed values:</u> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: LandingZone (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LandingZone (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 LandingZone (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 LandingZone (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LandingZone (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LandingZone (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LandingZone (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LandingZone (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)
 LandingZone (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 LandingZone (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature LandingZone (Point)

New ☒ Landing Zone

An identified area for aircraft landing or the pick-up or drop-off of troops, equipment or supplies. [Description] This is usually an established site, and it is not to be used for features typically classified as runways, helipads, heliports or aerodromes. Varied types of aircraft may use this landing zone.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: noInformation

New Feature Code	1	STB23	CONSTRAINED_STRING	Unitless	5	Feature Code
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<i>allowed values:</i> STB23							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U							
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information							
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation							
	Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation							
	Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation							

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships:

- LandingZone (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
- LandingZone (Point) - has dataset metadata in - Zero or one - Dataset (Area)
- LandingZone (Point) - has dataset metadata in - Zero or one - Dataset (Table)
- LandingZone (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
- LandingZone (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
- LandingZone (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
- LandingZone (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
- LandingZone (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)
- LandingZone (Point) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
- LandingZone (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)

Feature LandParcel (Area)

New ☐ Land Parcel

A tract of land that is defined in location and extent according to legally or customarily recognized methods (for example: social tenure). [Description] Improvements (for example: buildings, fences, and wells) to the tract of land are distinct from the land itself and thus may have different associated rights and/or restrictions than those of the underlying tract of land. Social tenure (also called customary tenure) is the allocation and security of rights in land based on customs and social authority, rather than on a formal legal system of land registration. In some areas of the world, social tenure is the basis for informal land administration. Some legal land administration systems recognize and/or incorporate social tenure-based rights. An example of recognition without incorporation is social tenure 'shells', in which areas are set aside where social tenure is the recognized authority for land rights. In other cases, individual social tenure-based rights may be registered within the legal system.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Cadastral Source Identifier	1	No Information	String	Unitless	2E+09	The unique identifier of a land parcel as assigned by a land survey or data production system.
<i>allowed values:</i> No Information						
New Cadastral Source Identifier Type	1	No Information	String	Unitless	2E+09	The name, description, Uniform Resource Locator (URL) and/or other information sufficient to unambiguously identify the land survey or data production system that assigned a cadastral source identifier to a land parcel.

allowed values: No Information

New	Cadastral Source Measurement	1	No Information	String	Unitless	2E+09	A description of the observations and/or physical measurements taken to describe the location and extent of a unit of land (or water) for purposes of administration. [Description] Observations may include lot numbers, as well as detailed location of survey markers used, boundary lengths, and other readily identifiable characteristics of the land (or water) unit.
	<i>allowed values:</i> No Information						
New	Cadastral Source Type	1	No Information	Enumeration	Unitless	0	The type of resource that describes the location and extent of a unit of land (or water), typically for purposes of administration such as taxation or land rights transfer. [Description] For example: a field survey sketch, an orthophoto, or a satellite image marked with evidence on the location of boundaries collected from the field. Note that a cadastral source may describe a land parcel using official survey data or by a less formal method such as a tenure map.
	<i>allowed values:</i> Collateral Evidence No Information Plat Tenure Map			Field Notes Official Cadastral Survey Relative Measurement Topographic Map		Field Sketch Orthophoto Resurvey Use Plat	GNSS Survey Other Survey Video
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private		Military Public	No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	IA040	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> IA040						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a generic part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: LandParcel (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LandParcel (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 LandParcel (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 LandParcel (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LandParcel (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LandParcel (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LandParcel (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LandParcel (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 LandParcel (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 LandParcel (Area) - is a member of group - Exactly one - BoundarySrf (FeatureGroup)

Feature LandslideMass (Area)New ☐ Landslide Mass**The mass of earth or rock which has slipped down from a mountain or cliff.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	DB211	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB211						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional			Historical Original				Native Transliterated
	Native Transliterated			No Information				Provisional
	Unverified Original			Unverified Transliterated				Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.		
<i>allowed values:</i> -999999.0								
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.		
<i>allowed values:</i> No Information								
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.		
<i>allowed values:</i> No Information								
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll		
<i>allowed values:</i> U								
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode		
<i>allowed values:</i> No Information			Other					
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISDissem		
<i>allowed values:</i> noInformation								
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISNonIC		
<i>allowed values:</i> noInformation								
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISOwnerProducer		
<i>allowed values:</i> noInformation								

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: LandslideMass (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LandslideMass (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 LandslideMass (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 LandslideMass (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LandslideMass (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LandslideMass (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LandslideMass (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LandslideMass (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 LandslideMass (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature LandSubjectToInundation (Area)

New ☐ Land Subject to Inundation

A tract periodically covered by flood water, excluding tidal waters.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	BH090	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH090						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> Dry Perennial			Ephemeral		Intermittent	No Information
	Inundation Type	1	No Information	Enumeration	Unitless	0	The type of an inundation based on the cause of the flooding.
	<i>allowed values:</i> Controlled			Natural		No Information	
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: LandSubjectToInundation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LandSubjectToInundation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 LandSubjectToInundation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 LandSubjectToInundation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LandSubjectToInundation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LandSubjectToInundation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LandSubjectToInundation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LandSubjectToInundation (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 LandSubjectToInundation (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 LandSubjectToInundation (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 LandSubjectToInundation (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 LandSubjectToInundation (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature LandWaterBoundary (Line)

New ☐ Land Water Boundary

The line where a land mass is in contact with a body of water and the tide state or river stage are unspecified. [Description] It may be in either the littoral or inland waters. In the littoral, consideration should be given to using the more specific high water or low water lines based on the nature of the source data collection.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BA010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BA010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Shoreline Delineated	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False			No Information			True
Shoreline Type	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Mangrove Not Applicable Stony			Coral Marshy Other			Erosion Rubble Mud Sandy Ice No Information Shingly
Water Line : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<i>allowed values:</i> Highest High Water Lowest Low Water Mean Higher High Water Springs Mean Lower Low Water Springs			Indian Spring High Water Mean High Water Mean Low Water Mean Sea Level			Indian Spring Low Water Mean High Water Springs Mean Low Water Springs No Information Lowest Astronomical Tide Mean Higher High Water Mean Lower Low Water Other
Water Line : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
<i>allowed values:</i> No Information						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: LandWaterBoundary (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LandWaterBoundary (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 LandWaterBoundary (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 LandWaterBoundary (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LandWaterBoundary (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LandWaterBoundary (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LandWaterBoundary (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LandWaterBoundary (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 LandWaterBoundary (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 LandWaterBoundary (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 LandWaterBoundary (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 LandWaterBoundary (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)

Feature LaunchPad (Area)New ☐ Launch Pad**A designated site or structure from which a rocket or missile is launched.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB040						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
	<u>allowed values:</u> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Asphalt No Information			Concrete Other			Iron Steel Metal Wood
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: LaunchPad (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LaunchPad (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 LaunchPad (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 LaunchPad (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LaunchPad (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LaunchPad (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LaunchPad (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LaunchPad (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 LaunchPad (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature LaunchPad (Point)New ☐ Launch Pad**A designated site or structure from which a rocket or missile is launched.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB040						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
	<u>allowed values:</u> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Asphalt No Information			Concrete Other			Iron Steel Metal Wood
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: LaunchPad (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LaunchPad (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 LaunchPad (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 LaunchPad (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LaunchPad (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LaunchPad (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LaunchPad (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LaunchPad (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 LaunchPad (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 LaunchPad (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 LaunchPad (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 LaunchPad (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)

Feature Lighthouse (Area) New ☐ Lighthouse

A distinctive structure on or off a coast exhibiting a major light designed to serve as an aid to navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.
<i>allowed values:</i> False			No Information			True
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BC050	CONSTRAINED_STRING	Unitless	5	Feature Code

<i>allowed values:</i> BC050						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> <div>Emergency Shelter</div> <div>Museum</div> <div>Rescue and Paramedical Services</div> <div>Hobbies and/or Leisure Activities</div> <div>No Information</div> <div>Signalling</div> <div>Inland Waters Transport</div> <div>Other</div> <div>Water Transport</div> <div>Maritime Pilotage</div> <div>Pilot Station</div>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> <div>Conventional</div> <div>Native Transliterated</div> <div>Unverified Original</div> <div>Historical Original</div> <div>No Information</div> <div>Unverified Transliterated</div> <div>Historical Transliterated</div> <div>Other</div> <div>Variant Original</div> <div>Native Original</div> <div>Provisional</div> <div>Variant Transliterated</div>						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Maritime Navigation Light : Light Characteristic Number	1	-999999	Integer	Unitless	0	The number of flashes/occultations in a group flashing/occulting light character.
<i>allowed values:</i> -999999						
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<i>allowed values:</i> <div>False</div> <div>No Information</div> <div>True</div>						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Maritime Navigation Light : Period of Light	1	-999999.0	Real	Second	0	The time occupied by an entire cycle of intervals of light and eclipse.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.

<i>allowed values:</i> Conical Other			Domed Pitched			Flat Pyramidal	No Information
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.	
<i>allowed values:</i> noInformation							
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).	
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID							
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).	
<i>allowed values:</i> Brick Masonry Prestressed Concrete			Concrete Metal Reinforced Concrete			Glass No Information Steel	Iron Other Stone
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.	
<i>allowed values:</i> noInformation							
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999.0

Relationships: Lighthouse (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Lighthouse (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Lighthouse (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Lighthouse (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Lighthouse (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Lighthouse (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Lighthouse (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Lighthouse (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Lighthouse (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Lighthouse (Area) - is a member of group - Exactly one - HydroAidNavigationSrf (FeatureGroup)

Feature Lighthouse (Point)New ☐ Lighthouse**A distinctive structure on or off a coast exhibiting a major light designed to serve as an aid to navigation.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.

<u>allowed values:</u> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> <i>False</i> No Information <i>True</i>						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> <i>-999999.0</i>						
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.
<u>allowed values:</u> <i>False</i> No Information <i>True</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> <i>[-999999, -999999]</i>						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Joint Military and Civilian Military No Information Other Private Public						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Non-operational Not in Operation Operational Partially Operational Planned Temporarily Non-operational						
New Feature Code	1	BC050	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> <i>BC050</i>						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Emergency Shelter Hobbies and/or Leisure Activities Inland Waters Transport Maritime Pilotage Museum No Information Other Pilot Station Rescue and Paramedical Services Signalling Water Transport						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> <i>noInformation</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Maritime Navigation Light : Light Characteristic Number	1	-999999	Integer	Unitless	0	The number of flashes/occultations in a group flashing/occulting light character.
	<u>allowed values:</u> -999999						
	Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
	<u>allowed values:</u> False			No Information			True
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Maritime Navigation Light : Period of Light	1	-999999.0	Real	Second	0	The time occupied by an entire cycle of intervals of light and eclipse.
	<u>allowed values:</u> -999999.0						

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i>	Conical Other		Domed Pitched			Flat Pyramidal No Information
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick Masonry Prestressed Concrete						
Concrete Metal Reinforced Concrete						
Glass No Information Steel						
Iron Other Stone						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Lighthouse (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Lighthouse (Point) - has dataset metadata in - Zero or one - Dataset (Area)
Lighthouse (Point) - has dataset metadata in - Zero or one - Dataset (Table)
Lighthouse (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Lighthouse (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Lighthouse (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Lighthouse (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Lighthouse (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
Lighthouse (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Lighthouse (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Lighthouse (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Lighthouse (Point) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup)

Feature LightSector (Point)

New ☐ Light Sector

A sector defined by bearings from seaward within which a light shows a specified character or color, or is obscured.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Character of Light	1	noInformation	StructuredText	Unitless	254	The characteristic description of a maritime light or lights at one geographic position that includes its class, number and color(s) of flashes or occultations. [Description] This text is structured as it traditionally has been represented on a paper chart. [Structure] For example: 'Q(6)+L F1, VQ G, L F1 (3+2)WR'.
<i>allowed values:</i> noInformation						

	Maritime Navigation Light : Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	BC060	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BC060						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Maritime Navigation Light : Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Light Sector Angle	1	-999999	Integer	Arc Degree	0	The horizontal angular width of a light sector to which the visibility of a light is limited. [Description] The limits of light sectors (arcs of visibility) are arranged clockwise and are given from seaward toward the central object.
	<i>allowed values:</i> -999999						
	Light Sector Initial Limit	1	-999999	Integer	Arc Degree	0	The initial angular limit of visibility of a light sector expressed as a bearing from seaward to the central object. [Description] The order of sector initial limit and sector terminal limit is clockwise around the central object. The bearing direction conforms with the method used in 'List of Lights' publications.
	<i>allowed values:</i> -999999						
	Light Sector Terminal Limit	1	-999999	Integer	Arc Degree	0	The terminal angular limit of visibility of a light sector expressed as a bearing from seaward to the central object. [Description] The order of sector initial limit and sector terminal limit is clockwise around the central object. The bearing direction conforms with the method used in 'List of Lights' publications.
	<i>allowed values:</i> -999999						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Nominal Range	1	-999999	Integer	Nautical Mile	0	The maximum distance at which a light can be seen (or signal detected) in a homogeneous atmosphere in which the meteorological visibility is 10 nautical miles (clear weather as defined by the International Visibility Code). [Description] The actual luminous range will be lesser (or occasionally greater) than the nominal range depending on prevailing weather conditions. The lesser of the geographic range and the luminous range is the range at which a light will first be sighted.
	<i>allowed values:</i> -999999						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll

allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOSINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumIISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation*allowed values:* pimGUID

Relationships: LightSector (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LightSector (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 LightSector (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 LightSector (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LightSector (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LightSector (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LightSector (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LightSector (Point) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup)
 LightSector (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature LightSupportStructure (Point)

New ☐ Light Support Structure

A structure serving as a support for one or more lights. [Description] For example, a light standard or a lamp post.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AL110	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL110						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> No Information Sports, Amusement and Recreation			Other Transport			Railway Transport Road Transport
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	Dismantled
Pylon Configuration	1	No Information	Enumeration	Unitless	0	The configuration of a pylon or pole.
<i>allowed values:</i> 'A' Other			'H' 'T'		'I' 'Y'	No Information
Pylon Material	1	No Information	Enumeration	Unitless	0	The primary type of material composing a pylon. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Aluminum Masonry Steel			Concrete Metal Wood		Fibreglass No Information	Iron Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode

<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource non-dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
<i>allowed values:</i> Mast Truss			No Information Tubular			Other Pole
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: LightSupportStructure (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LightSupportStructure (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 LightSupportStructure (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 LightSupportStructure (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LightSupportStructure (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LightSupportStructure (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LightSupportStructure (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LightSupportStructure (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 LightSupportStructure (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 LightSupportStructure (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 LightSupportStructure (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 LightSupportStructure (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature LightVessel (Point)New ☐ Light Vessel

A distinctively marked vessel anchored or moored at a charted point, to serve as an aid to navigation. [Description] By night, it displays a characteristic light(s) and is usually equipped with other devices (for example: a fog signal, a submarine sound signal, and/or a radio-beacon) to assist navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Maritime Radiobeacon : Broadcast Frequency	2	-999999	Integer	Hertz	0	The transmission frequency of a radio communications device (for example: a television station or a radiobeacon).
<i>allowed values:</i> -999999						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Maritime Navigation Light : Character of Light	1	noInformation	StructuredText	Unitless	254	The characteristic description of a maritime light or lights at one geographic position that includes its class, number and color(s) of flashes or occultations. [Description] This text is structured as it traditionally has been represented on a paper chart. [Structure] For example: 'Q(6)+L F1, VQ G, L F1 (3+2)WR'.
<i>allowed values:</i> noInformation						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> No Information			Other			Private Public
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BC070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BC070						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Fog Signal : Fog Signal Type	1	No Information	Enumeration	Unitless	0	The type of a fog signal based on its signal characteristics and method of generation.
	<i>allowed values:</i> Bell Horn Other Submarine Bell			Diaphone Nautophone Radio Tyfon		Explosive No Information Reed Whistle	Gong None Siren
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Maritime Navigation Light : Light Elevation	1	-999999.0	Real	Metre	0	The height of a light measured from a specified datum (for example: vertical or sounding), usually high water, as defined by the National agency. [Description] When used with a buoy the elevation is measured from the water surface; when used with a lighthouse the elevation is typically measured from ground level.
	<i>allowed values:</i> -999999.0						
	Maritime Radiobeacon : Maritime Radiobeacon Type	3	No Information	Enumeration	Unitless	0	The type of an electronic aid to maritime navigation consisting of a radio transmitter that broadcasts distinctive and/or characteristic signals. [Description] For example, a directional radio beacon or a radar marker (RAMARK).

allowed values:	Automated Identification System (AIS) No Information Radar Responder Beacon (RACON)		Circular Radiobeacon Other Radio Direction Finding Station		Directional Radiobeacon QTG Station Rotating Pattern Radiobeacon		Long Range Air Navigation System (LORAN) C Radar Marker (RAMARK)
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
allowed values:	No Information						
Maritime Navigation Light : Multiple Light Ranges	1	noInformation	StructuredText	Unitless	254	A set of two numbers for light ranges of visibility (at a light) expressed in nautical miles. [Structure] The numbers are separated by a slash (/) if only two visibilities exist, or by a dash ('-') separating the greatest and least visibilities if three or more exist.	
allowed values:	noInformation						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
allowed values:	No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
allowed values:	False		No Information			True	
Maritime Navigation Light : Nominal Range	1	-999999	Integer	Nautical Mile	0	The maximum distance at which a light can be seen (or signal detected) in a homogeneous atmosphere in which the meteorological visibility is 10 nautical miles (clear weather as defined by the International Visibility Code). [Description] The actual luminous range will be lesser (or occasionally greater) than the nominal range depending on prevailing weather conditions. The lesser of the geographic range and the luminous range is the range at which a light will first be sighted.	
allowed values:	-999999						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
allowed values:	Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled
Radar Reflector Present	1	No Information	Boolean	Unitless	0	An indication that an object has an associated radar reflector.	
allowed values:	False		No Information			True	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll	
allowed values:	U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
allowed values:	No Information		Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem	
allowed values:	noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC	

allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: *noInformation*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: LightVessel (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LightVessel (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 LightVessel (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 LightVessel (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LightVessel (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LightVessel (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LightVessel (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LightVessel (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 LightVessel (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 LightVessel (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 LightVessel (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 LightVessel (Point) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup)

Feature LiquidDiffuser (Point)

New ☐ Liquid Diffuser

Equipment located at or below water level where liquids (for example: cooling water) are spread out.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AB021	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AB021						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: LiquidDiffuser (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LiquidDiffuser (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 LiquidDiffuser (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 LiquidDiffuser (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LiquidDiffuser (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LiquidDiffuser (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LiquidDiffuser (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LiquidDiffuser (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 LiquidDiffuser (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature LocalMagneticAnomaly (Area)

New ☐ Local Magnetic Anomaly

A localized anomaly in the Earth's magnetic field.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	ZC040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZC040						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Magnetic Variation Anomaly	1	[-999999.0, -999999.0]	Real_Interval	Arc Degree	0	The difference between the magnetic variation within a magnetic disturbance area and the magnetic variation of the surrounding area. [Description] It is measured east (positive value) or west (negative value) consistent with the directionality of the magnetic declination in general.
<u>allowed values:</u> [-999999.0, -999999.0]							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDClassificationAll
<u>allowed values:</u> U							
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information							
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDDissem
<u>allowed values:</u> noInformation							
	Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation							
	Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation							

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: LocalMagneticAnomaly (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LocalMagneticAnomaly (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 LocalMagneticAnomaly (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 LocalMagneticAnomaly (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LocalMagneticAnomaly (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LocalMagneticAnomaly (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LocalMagneticAnomaly (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LocalMagneticAnomaly (Area) - is a member of group - Exactly one - InformationSrf (FeatureGroup)
 LocalMagneticAnomaly (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 LocalMagneticAnomaly (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Lock (Area)

New ☐ Lock

An enclosure with a pair or series of gates used for raising or lowering vessels as they pass from one water level to another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
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allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
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allowed values: Civilian
Other

Joint Military and Civilian
Private

Military
Public

No Information

	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BI030	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BI030						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
<i>allowed values:</i> Damaged No Information						
<i>allowed values:</i> Destroyed Unmaintained						
<i>allowed values:</i> Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
<i>allowed values:</i> Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Brick Other Steel			Concrete Prestressed Concrete Stone			Masonry Reinforced Concrete Treated Timber
						No Information Soil Wood
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Usable Length	1	-999999.0	REAL	metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
<i>allowed values:</i> -999999.0						
Usable Width	1	-999999.0	REAL	metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Lock (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Lock (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Lock (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Lock (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Lock (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Lock (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Lock (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Lock (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Lock (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Lock (Area) - is a member of group - Exactly one - TransportationWaterSrf (FeatureGroup)

Feature Lock (Line)New ☐ Lock

An enclosure with a pair or series of gates used for raising or lowering vessels as they pass from one water level to another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI030						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>	Brick Other Steel		Concrete Prestressed Concrete Stone			Masonry Reinforced Concrete Treated Timber No Information Soil Wood

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Usable Length	1	-999999.0	REAL	metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
<i>allowed values:</i> -999999.0						
Usable Width	1	-999999.0	REAL	metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Lock (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Lock (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Lock (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Lock (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Lock (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Lock (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Lock (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Lock (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Lock (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Lock (Line) - is a member of group - Exactly one - TransportationWaterCrv (FeatureGroup)

Feature Lock (Point)

New ☐ Lock

An enclosure with a pair or series of gates used for raising or lowering vessels as they pass from one water level to another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BI030	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BI030						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						

Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
			No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
			Damaged No Information		Destroyed Unmaintained	
					Dismantled	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Brick Other Steel			Concrete Prestressed Concrete Stone			Masonry Reinforced Concrete Treated Timber No Information Soil Wood
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Usable Length	1	-999999.0	REAL	metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
<i>allowed values:</i> -999999.0						
Usable Width	1	-999999.0	REAL	metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Lock (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Lock (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Lock (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Lock (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Lock (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Lock (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Lock (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Lock (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Lock (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Lock (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Lock (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Lock (Point) - is a member of group - Exactly one - TransportationWaterPnt (FeatureGroup)

Feature LoggingSite (Area)

New ☐ Logging Site

A tract of vegetation that is being exploited for lumber resources.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	EE010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EE010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional			Historical Original				Native Transliterated
	Native Transliterated			No Information				Provisional
	Unverified Original			Unverified Transliterated				Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.		
<i>allowed values:</i> -999999.0								
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.		
<i>allowed values:</i> No Information								
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.		
<i>allowed values:</i> No Information								
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll		
<i>allowed values:</i> U								
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode		
<i>allowed values:</i> No Information			Other					
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem		
<i>allowed values:</i> noInformation								
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC		
<i>allowed values:</i> noInformation								
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer		
<i>allowed values:</i> noInformation								

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: LoggingSite (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 LoggingSite (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 LoggingSite (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 LoggingSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 LoggingSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 LoggingSite (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 LoggingSite (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 LoggingSite (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 LoggingSite (Area) - is a member of group - Exactly one - VegetationSrf (FeatureGroup)

Feature Lookout (Area)

New ☐ Lookout

A location, which is generally elevated, from which the surrounding area may be observed. [Description] For example, it is easily accessible by vehicle, is free of obscuring vegetation, and the local topography allows for unobstructed viewing of distant features.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.

<i>allowed values:</i> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> <div> <div>No Information</div> <div>Partially Operational</div> </div> <div> <div>Non-operational</div> <div>Planned</div> </div> <div> <div>Not in Operation</div> <div>Temporarily Non-operational</div> </div> <div> <div>Operational</div> </div>						
New Feature Code	1	AK121	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AK121</i>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> <i>noInformation</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> <i>No Information</i>						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> <i>No Information</i> <i>Other</i>						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> <div> <div>Conventional</div> <div>Native Transliterated</div> <div>Unverified Original</div> </div> <div> <div>Historical Original</div> <div>No Information</div> <div>Unverified Transliterated</div> </div> <div> <div>Historical Transliterated</div> <div>Other</div> <div>Variant Original</div> </div> <div> <div>Native Original</div> <div>Provisional</div> <div>Variant Transliterated</div> </div>						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999.0</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> <i>No Information</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> <i>No Information</i>						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i> <i>No Information</i> <i>True</i>						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> <div> <div>Construction</div> <div>Intact</div> </div> <div> <div>Damaged</div> <div>No Information</div> </div> <div> <div>Destroyed</div> <div>Unmaintained</div> </div> <div> <div>Dismantled</div> </div>						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Lookout (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Lookout (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Lookout (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Lookout (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Lookout (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Lookout (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Lookout (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Lookout (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Lookout (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature Lookout (Point)

New ☐ Lookout

A location, which is generally elevated, from which the surrounding area may be observed. [Description] For example, it is easily accessible by vehicle, is free of obscuring vegetation, and the local topography allows for unobstructed viewing of distant features.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK121	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK121						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Lookout (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Lookout (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Lookout (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Lookout (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Lookout (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Lookout (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Lookout (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Lookout (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Lookout (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Lookout (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Lookout (Point) - is a member of group - Exactly one - CulturePnt (FeatureGroup)

Feature ManorHouse (Area)New ☐ Manor House

A large and imposing house with many rooms, and often of architectural significance, which is located on a large rural estate. [Description] The term 'Manor House' covers a range of buildings from relatively modest rectories up to the largest and grandest country houses termed 'stately homes'. Titular names of manor houses frequently carry a suffix such as 'House', 'Manor(s)', 'Tower(s)', 'Hall', 'Park', 'Grange', 'Court', or 'Palace'. Historically, manor houses were residences for the landed gentry or the very wealthy. Although this still applicable today, many are used for different functions such as museums, hotels, amusement, hospitals, religious activities, and schools. A lack of fortification features distinguishes a manor house from a castle. The estate surrounding a manor house is typically at least several square kilometres in extent, often with a garden in the immediate vicinity of the house and a larger park beyond for aesthetic, recreational, and/or agricultural purposes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Planned			Non-operational Temporarily Non-operational			Operational Partially Operational
New Feature Code	1	AL371	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL371						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Floor Count	1	-999999	Integer	unitless	0	The number of floors in a structure (for example: a building).
	<u>allowed values:</u> -999999						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> No Information			noInformation			
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						

allowed values: *pimGUID*

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<u>allowed values:</u> Brick No Information Steel			Concrete Other Stone			Glass Prestressed Concrete Wood Masonry Reinforced Concrete

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: ManorHouse (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ManorHouse (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ManorHouse (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ManorHouse (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ManorHouse (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ManorHouse (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ManorHouse (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ManorHouse (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ManorHouse (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ManorHouse (Area) - is a member of group - Exactly one - StructureSrf (FeatureGroup)

Feature ManorHouse (Point)New ☐ Manor House

A large and imposing house with many rooms, and often of architectural significance, which is located on a large rural estate. [Description] The term 'Manor House' covers a range of buildings from relatively modest rectories up to the largest and grandest country houses termed 'stately homes'. Titular names of manor houses frequently carry a suffix such as 'House', 'Manor(s)', 'Tower(s)', 'Hall', 'Park', 'Grange', 'Court', or 'Palace'. Historically, manor houses were residences for the landed gentry or the very wealthy. Although this still applicable today, many are used for different functions such as museums, hotels, amusement, hospitals, religious activities, and schools. A lack of fortification features distinguishes a manor house from a castle. The estate surrounding a manor house is typically at least several square kilometres in extent, often with a garden in the immediate vicinity of the house and a larger park beyond for aesthetic, recreational, and/or agricultural purposes.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> <i>[-999999, -999999]</i>						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other			Joint Military and Civilian Private			Military Public No Information

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Planned			Non-operational Temporarily Non-operational			Operational Partially Operational
New	Feature Code	1	AL371	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL371						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Floor Count	1	-999999	Integer	unitless	0	The number of floors in a structure (for example: a building).
	<i>allowed values:</i> -999999						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

<i>allowed values:</i> No Information <i>noInformation</i>						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> <i>noInformation</i>						
<i>allowed values:</i> <i>pimGUID</i>						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick Concrete Glass Masonry No Information Other Prestressed Concrete Reinforced Concrete Steel Stone Wood						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: ManorHouse (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ManorHouse (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 ManorHouse (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 ManorHouse (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ManorHouse (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ManorHouse (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ManorHouse (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ManorHouse (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ManorHouse (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ManorHouse (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature ManufacturedHomePark (Area)New ☐ Manufactured Home Park

A site for the semi-permanent parking of manufactured homes used as dwellings and designed without a permanent foundation. [Description] Manufactured homes are prefabricated homes built in factories, rather than on-site, and then taken to the place where they will be occupied. They are usually transported by tractor-trailers over public roads to sites which are often in rural areas or high-density developments. While these houses are usually placed in one location and left there permanently, they do retain the ability to be moved as this is a requirement in many areas. Behind the cosmetic work fitted at installation to hide the base, there are strong trailer frames, axles, wheels and tow-hitches.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> <i>noInformation</i>						

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AI021	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AI021						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Convenience Store No Information Religious Activities			Food Service Other Residence			Grocery Petrol Sale Restaurant Laundry Recreation Restroom
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<u>allowed values:</u> Construction Intact						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<u>allowed values:</u> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: ManufacturedHomePark (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ManufacturedHomePark (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ManufacturedHomePark (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ManufacturedHomePark (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ManufacturedHomePark (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ManufacturedHomePark (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ManufacturedHomePark (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ManufacturedHomePark (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ManufacturedHomePark (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ManufacturedHomePark (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ManufacturedHomePark (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ManufacturedHomePark (Area) - is a member of group - Exactly one - SettlementSrf (FeatureGroup)

Feature MaricultureSite (Area)

New ☐ Mariculture Site

A site where marine organisms are cultivated for food and other products in either the open ocean, in an enclosed section of the ocean, or in tanks, ponds or raceways that are filled with seawater (for example: the farming of marine fish, prawns, or oysters in saltwater ponds).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquaculture Facility Type	1	No Information	Enumeration	Unitless	0	The type, purpose, or intended role served by an aquaculture facility.

<i>allowed values:</i> Kelp Farm Shrimp Farm			Marine Culture		No Information	Sea Ranch
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Conspicuous Air Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the air. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous			Visual
Conspicuous Ground Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from on the ground. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous			Visual
Conspicuous Sea Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the sea. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information			Not Conspicuous			Visual
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH050						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Marine Farm Enclosure Method	1	No Information	Enumeration	Unitless	0	The method by which a marine farm is enclosed.
<i>allowed values:</i> Fencing Other			Fishing Stakes	Nets	No Information	
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information	True		
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information	Destroyed Unmaintained	Dismantled	
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Bivalve Mollusc Mussels			Crustacean No Information	Cultivated Shellfish Other	Fish Oysters	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: MaricultureSite (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MaricultureSite (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 MaricultureSite (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 MaricultureSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MaricultureSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MaricultureSite (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MaricultureSite (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MaricultureSite (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 MaricultureSite (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 MaricultureSite (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature MaritimeCautionArea (Area)

New ☐ Maritime Caution Area

Generally, an area where the mariner has to be made aware of circumstances influencing the safety of navigation. [Description] The caution may represent a specific danger, a general risk, or a rule and/or navigation advice that is not directly related to a specific object. Appropriate consideration should be given, for example, to the specific identification of wrecks, hazardous rocks and wells.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Cable Type	1	No Information	Enumeration	Unitless	0	The type of a cable based on its use.
<i>allowed values:</i> Communication Line Other			Digital Communication Line Power Distribution Line			Fibre-optic Telegraph No Information Telephone
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Coastal Work Type	3	No Information	Enumeration	Unitless	0	The type of a shore or near-shore work(s) in progress.
<i>allowed values:</i> Construction of Structures Land Reclamation						No Information Other
Description of Aids to Navigation	1	No Information	String	Unitless	2E+09	Textual description of aids to navigation marking a feature. [Description] For example, 'marked by buoys'.
<i>allowed values:</i> No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	FC037	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FC037						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional	Historical Original	Historical Transliterated	Native Original		
	Native Transliterated	No Information	Other	Provisional		
	Unverified Original	Unverified Transliterated	Variant Original	Variant Transliterated		
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999.0					
Limit(s) Physically Based	1	No Information	Boolean	Unitless	0	An indication that the limit(s) of a maritime area are based on permanent physical features.
<i>allowed values:</i>	False					
Maritime Area Restriction	3	No Information	Enumeration	Unitless	0	The type of maritime restriction(s) in an area that are designated by an appropriate authority. [Description] May be in accordance with certain specified conditions. The official legal statue of each kind of restricted area defines the kind of restriction(s).
<i>allowed values:</i>	Bird Sanctuary Continental Shelf Area Exclusive Economic Zone Fishery Zone Game Preserve International Council for the Seas (ICES) Fishery Zone Maritime Pollution (MARPOL) Reporting Area No Information Reclamation Area Swimming Area Unilateral Fishing Zone	Compass Adjustment Degaussing Range Extended Continental Shelf Area Fishing Ground Historic Wreck Area Joint Economic Development Zone Mine Danger Area No Wake Area Research Area Swinging Area Unrestricted Area	Conservation and Management Zone Dredging Area Fairway Foreign Fishing Rights Zone Incineration Area Marine Nature Reserve Natural Gas Field Other Seal Sanctuary Territorial Sea Area Waiting Area	Contiguous Zone Ecological Reserve Fish Sanctuary Former Mine Danger Area Internal Waters Maritime Mass Grave Nature Reserve Petroleum Field Stranding Danger Area Traffic Services Limit Water Skiing Area		
Maritime Caution Type	3	No Information	Enumeration	Unitless	0	The type(s) of circumstance(s) influencing the safety of navigation that mariners should observe in an area.
<i>allowed values:</i>	Cargo Transshipment Ice Advisory Outfall Area Submarine Sewer	Clearing Line Intake Area Pollution Zone Unexploded Ordnance	COLREGS Demarcation Line No Information Submarine Cable Works in Progress Area	Harbour Area Other Submarine Pipeline		
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<i>allowed values:</i>	False					
Maritime Navigation Restriction	3	No Information	Enumeration	Unitless	0	The type of maritime navigation restriction(s) in an area that are designated by an appropriate authority. [Description] May be in accordance with certain specified conditions. The official legal statue of each kind of restricted area defines the kind of restriction(s).
<i>allowed values:</i>	Anchoring Prohibited Cargo Transshipment Prohibited Diving Prohibited Dredging Restricted Entry Restricted Fishing Restricted No Information Shipping Prohibited	Anchoring Restricted Construction Prohibited Diving Restricted Drilling Prohibited Exploration and/or Development Prohibited Landing Prohibited Offshore Safety Zone Stopping Prohibited	Artifact Removal Prohibited Discharging Prohibited Dragging Prohibited Drilling Restricted Exploration and/or Development Restricted Limited Speed Area Other Trawling Prohibited	Avoidance Area Discharging Restricted Dredging Prohibited Entry Prohibited Fishing Prohibited Navigational Aid Safety Zone Reduced Wake Area Trawling Restricted		
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					

Operating Cycle	1	No Information	Enumeration	Unitless	0	The time(s) during which a feature is usable.
<i>allowed values:</i> Continuously Operating Other			Daytime Summer Season			Night-time Winter Season No Information
Operating Restriction	3	No Information	Enumeration	Unitless	0	The conditions (for example: time or weather) during which the use of a feature (for example: a facility, an aerodrome, a port, or a thoroughfare) is restricted.
<i>allowed values:</i> Flooding Other Time			Icing Reduced Visibility Wind			No Information Snow No Restriction Special Restriction
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: MaritimeCautionArea (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MaritimeCautionArea (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 MaritimeCautionArea (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 MaritimeCautionArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MaritimeCautionArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MaritimeCautionArea (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MaritimeCautionArea (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MaritimeCautionArea (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 MaritimeCautionArea (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 MaritimeCautionArea (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature MaritimeLimit (Line)

New ☐ Maritime Limit

A line where on either side certain activities or factors of significance to navigation and/or operation apply.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bearing of Object	1	-999999.0	REAL	Arc Degree	0	The bearing of an object from an observer (on any point along the line) towards the object or feature. [Description] Expressed in degrees and tenths (for example: 3.0).
<i>allowed values:</i> -999999.0						
Boundary Demarcated	1	No Information	Boolean	Unitless	0	An indication that a boundary is demarcated. [Description] Demarcation refers to the surveying and erection of markers along a land boundary after a boundary has been delimited according to a treaty or other agreement.
<i>allowed values:</i> False			No Information			True
Boundary Determination Method	1	No Information	Enumeration	Unitless	0	The method by which a boundary has been determined.
<i>allowed values:</i> Arc Extended Continental Shelf Main Channel Normal Baseline Right Bank Straight Baseline			Archipelagic Baseline Geodesic Median Normal Continental Shelf Shoreline Straight Segmented			Economic Left Bank No Information Parallel Straight
Boundary Dispute Type	1	No Information	Enumeration	Unitless	0	The type of dispute, if any, concerning a boundary.
<i>allowed values:</i> De Facto Undisputed			De Jure			In Dispute No Information

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<u>allowed values:</u> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<u>allowed values:</u> Civilian Other Regional			Joint Military and Civilian Private			Military Province No Information Public
	Description of Reference Point	1	No Information	String	Unitless	2E+09	Description of the feature(s) which form a Leading Line or Clearing Line.
	<u>allowed values:</u> No Information						
	Dumping Ground Type	3	No Information	Enumeration	Unitless	0	The type(s) of material deliberately deposited in an area at sea.
	<u>allowed values:</u> Chemical Waste Nuclear Waste			Explosives Other			Hazardous Material Spoil No Information Vessels
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
New	Feature Code	1	FC021	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> FC021						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Limit(s) Physically Based	1	No Information	Boolean	Unitless	0	An indication that the limit(s) of a maritime area are based on permanent physical features.
	<u>allowed values:</u> False			No Information			True

Maintained	1	No Information	Boolean	Unitless	0	An indication that a feature is maintained.
<i>allowed values:</i> False			No Information			True
Maritime Area Restriction	3	No Information	Enumeration	Unitless	0	The type of maritime restriction(s) in an area that are designated by an appropriate authority. [Description] May be in accordance with certain specified conditions. The official legal statue of each kind of restricted area defines the kind of restriction(s).
<i>allowed values:</i> Conservation and Management Zone Fishery Zone Mine Danger Area Petroleum Field			Degaussing Range Historic Wreck Area Natural Gas Field Reclamation Area			Dredging Area Incineration Area No Information Swinging Area Fairway Joint Economic Development Zone Other Traffic Services Limit
Maritime Caution Type	3	No Information	Enumeration	Unitless	0	The type(s) of circumstance(s) influencing the safety of navigation that mariners should observe in an area.
<i>allowed values:</i> Cargo Transshipment No Information Works in Progress Area			Clearing Line Ocean Current Margin			COLREGS Demarcation Line Other Harbour Area Pollution Zone
Maritime Navigation Line Features	1	No Information	Enumeration	Unitless	0	The type and/or number of features associated with a maritime navigation line (for example: a leading line, a transit line, or a clearing line).
<i>allowed values:</i> Directional Light Other			Measured Distance Markers Two Beacons or more			No Information Two Lights or more One other than Directional Light Two other than Two Lights or Beacons
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<i>allowed values:</i> False			No Information			True
Maritime Navigation Restriction	3	No Information	Enumeration	Unitless	0	The type of maritime navigation restriction(s) in an area that are designated by an appropriate authority. [Description] May be in accordance with certain specified conditions. The official legal statue of each kind of restricted area defines the kind of restriction(s).
<i>allowed values:</i> Entry Prohibited			Entry Restricted			No Information Other
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Naval Firing and/or Practice Type	3	No Information	Enumeration	Unitless	0	The type(s) of an area where firing and/or munition exercises are conducted by Naval forces (for example: vessels or aircraft) based on the purpose(s) of the firing, practice, or exercise and/or the nature of the equipment employed.
<i>allowed values:</i> Firing Danger Area			Mine Laying Practice Area			No Information Other
Naval Operations Type	3	No Information	Enumeration	Unitless	0	The type(s) of an area in which operations are conducted by Naval forces (for example: vessels or aircraft) based on the size, purpose, forces deployed and/or operation(s) conducted.
<i>allowed values:</i> FORACS V Limit			No Information			Other Submarine Exercise Area
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Relationships: MaritimeLimit (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MaritimeLimit (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 MaritimeLimit (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 MaritimeLimit (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MaritimeLimit (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MaritimeLimit (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MaritimeLimit (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MaritimeLimit (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)
 MaritimeLimit (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 MaritimeLimit (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature MaritimeNavigationBeacon (Point)New ☐ Maritime Navigation Beacon**A prominent, specially constructed object forming a conspicuous mark as a fixed aid to navigation or for use in hydrographic survey.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Maritime Navigation Light : Character of Light	1	noInformation	StructuredText	Unitless	254	The characteristic description of a maritime light or lights at one geographic position that includes its class, number and color(s) of flashes or occultations. [Description] This text is structured as it traditionally has been represented on a paper chart. [Structure] For example: 'Q(6)+L F1, VQ G, L F1 (3+2)WR'.
	<i>allowed values:</i> noInformation						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	BC010	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BC010						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Fog Signal : Fog Signal Type	1	No Information	Enumeration	Unitless	0	The type of a fog signal based on its signal characteristics and method of generation.
	<i>allowed values:</i> Bell Horn Other			Diaphone No Information Reed		Explosive None Siren	Gong Not Applicable Whistle
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Maritime Navigation Light : Multiple Light Ranges	1	noInformation	StructuredText	Unitless	254	A set of two numbers for light ranges of visibility (at a light) expressed in nautical miles. [Structure] The numbers are separated by a slash (/) if only two visibilities exist, or by a dash ('-') separating the greatest and least visibilities if three or more exist.

<i>allowed values:</i> <i>noInformation</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> <i>No Information</i>						
Navigation Mark Colour	3	No Information	Enumeration	Unitless	0	The colour(s) of a International Association of Lighthouse Authorities (IALA) navigation mark. [Description] When the navigation mark is patterned, the Attribute: 'Colour Pattern' may be used to identify the pattern and a corresponding list of colours specified.
<i>allowed values:</i> Black Grey Red			Blue <i>No Information</i> Violet			Brown Orange White Green Other Yellow
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged <i>No Information</i>			Destroyed Unmaintained Dismantled
Radar Reflector Present	1	No Information	Boolean	Unitless	0	An indication that an object has an associated radar reflector.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> <i>U</i>						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> <i>No Information</i>			<i>Other</i>			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> <i>noInformation</i>						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Topmark Shape	1	No Information	Enumeration	Unitless	0	The characteristic topmark or daymark shape attached to a maritime aid to navigation to aid identification. [Description] May be secured at the top of a buoy or beacon.
<i>allowed values:</i>	2 Cones Base to Base 2 Spheres One over Other Besom Point Upward Cone over Ball Diamond Not Applicable		2 Cones Point to Point Ball (Filled) Can (Filled) Cone Point Downward Diamond over Ball Other		2 Cones Points Downward Ball (Open) Can (Open) Cone Point Upward Double Cone, Points Apart (Open) Upright Cross	2 Cones Points Upward Ball over Cone Can over Ball Cross Over Ball (Filled) No Information X-shaped

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: MaritimeNavigationBeacon (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MaritimeNavigationBeacon (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 MaritimeNavigationBeacon (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 MaritimeNavigationBeacon (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MaritimeNavigationBeacon (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MaritimeNavigationBeacon (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MaritimeNavigationBeacon (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MaritimeNavigationBeacon (Point) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup)
 MaritimeNavigationBeacon (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 MaritimeNavigationBeacon (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature MaritimeNavigationLight (Point)

New ☐ Maritime Navigation Light

A luminous or lighted device intended for the purpose of aiding maritime navigation. [Description] A Maritime Navigation Light refers to the light itself including its housing but does not include any support structure or ancillary aids to maritime navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Character of Light	1	noInformation	StructuredText	Unitless	254	The characteristic description of a maritime light or lights at one geographic position that includes its class, number and color(s) of flashes or occultations. [Description] This text is structured as it traditionally has been represented on a paper chart. [Structure] For example: 'Q(6)+L F1, VQ G, L F1 (3+2)WR'.

<i>allowed values:</i> <i>noInformation</i>							
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> <i>noInformation</i>							
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational				Non-operational Planned	Not in Operation Temporarily Non-operational		Operational
New	Feature Code	1	BC040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>BC040</i>							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> <i>noInformation</i>							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information				Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated
	IALA A or B Adopted	1	No Information	Boolean	Unitless	0	An indication that an International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) bouyage system has been adopted by the national authority.
<i>allowed values:</i> <i>False</i>				No Information		<i>True</i>	
	Light Elevation	1	-999999.0	Real	Metre	0	The height of a light measured from a specified datum (for example: vertical or sounding), usually high water, as defined by the National agency. [Description] When used with a buoy the elevation is measured from the water surface; when used with a lighthouse the elevation is typically measured from ground level.
<i>allowed values:</i> <i>-999999.0</i>							
	Maritime Light Type	3	No Information	Enumeration	Unitless	0	The type of a maritime light based on its structure, location and/or intended use(s).
<i>allowed values:</i> Moire Effect Light				No Information		Other Sectorred Light	
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Multiple Light Ranges	1	noInformation	StructuredText	Unitless	254	A set of two numbers for light ranges of visibility (at a light) expressed in nautical miles. [Structure] The numbers are separated by a slash (/) if only two visibilities exist, or by a dash ('-') separating the greatest and least visibilities if three or more exist.
<i>allowed values:</i> <i>noInformation</i>							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							

Navigation Mark Colour	3	No Information	Enumeration	Unitless	0	The colour(s) of a International Association of Lighthouse Authorities (IALA) navigation mark. [Description] When the navigation mark is patterned, the Attribute: 'Colour Pattern' may be used to identify the pattern and a corresponding list of colours specified.
<i>allowed values:</i>	Black Grey Red		Blue No Information Violet			Brown Orange White Green Other Yellow
Nominal Range	1	-999999	Integer	Nautical Mile	0	The maximum distance at which a light can be seen (or signal detected) in a homogeneous atmosphere in which the meteorological visibility is 10 nautical miles (clear weather as defined by the International Visibility Code). [Description] The actual luminous range will be lesser (or occasionally greater) than the nominal range depending on prevailing weather conditions. The lesser of the geographic range and the luminous range is the range at which a light will first be sighted.
<i>allowed values:</i>	-999999					
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Maritime Navigation Beacon : Radar Reflector Present	1	No Information	Boolean	Unitless	0	An indication that an object has an associated radar reflector.
<i>allowed values:</i>	False		No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Maritime Navigation Beacon : Topmark Shape	1	No Information	Enumeration	Unitless	0	The characteristic topmark or daymark shape attached to a maritime aid to navigation to aid identification. [Description] May be secured at the top of a buoy or beacon.
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allowed values:

2 Cones Base to Base
2 Spheres One over Other
Besom Point Upward
Cone over Ball
Diamond
Not Applicable

2 Cones Point to Point
Ball (Filled)
Can (Filled)
Cone Point Downward
Diamond over Ball
Other

2 Cones Points Downward
Ball (Open)
Can (Open)
Cone Point Upward
Double Cone, Points Apart (Open)
Upright Cross

2 Cones Points Upward
Ball over Cone
Can over Ball
Cross Over Ball (Filled)
No Information
X-shaped

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

- Relationships:**
- MaritimeNavigationLight (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 - MaritimeNavigationLight (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 - MaritimeNavigationLight (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 - MaritimeNavigationLight (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 - MaritimeNavigationLight (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 - MaritimeNavigationLight (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 - MaritimeNavigationLight (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 - MaritimeNavigationLight (Point) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup)
 - MaritimeNavigationLight (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 - MaritimeNavigationLight (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 - MaritimeNavigationLight (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature MaritimeNavigationMarker (Point)

New ☐ Maritime Navigation Marker

A coloured (usually white) mark on a vertical surface (for example: a cliff, a rocky outcrop, and/or a wall) that is a conspicuous landmark for maritime navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> <i>noInformation</i>						
New	Feature Code	1	BC055	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> <i>BC055</i>						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> <i>noInformation</i>						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> <i>No Information</i>						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> <i>No Information</i>			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original <i>No Information</i> Unverified Transliterated		Historical Transliterated <i>Other</i> Variant Original	Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> <i>-999999.0</i>						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> <i>No Information</i>						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> <i>No Information</i>						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged <i>No Information</i>		Destroyed Unmaintained	Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Metal Wood			No Information			Other Plastic
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						

allowed values: [pimGUID](#)

Relationships: MaritimeNavigationMarker (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MaritimeNavigationMarker (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 MaritimeNavigationMarker (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 MaritimeNavigationMarker (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MaritimeNavigationMarker (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MaritimeNavigationMarker (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MaritimeNavigationMarker (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MaritimeNavigationMarker (Point) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup)
 MaritimeNavigationMarker (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 MaritimeNavigationMarker (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature MaritimeNavLightSupport (Point)New ☐ **Maritime Navigation Light Support**

An otherwise unspecified fixed structure which supports a Maritime Navigation Light. [Description] May also be used to support other aids to maritime navigation (for example: maritime radiobeacons or fog signals).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	Real	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Maritime Radiobeacon : Broadcast Frequency	2	-999999	Integer	Hertz	0	The transmission frequency of a radio communications device (for example: a television station or a radiobeacon).
<i>allowed values:</i> -999999						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Maritime Navigation Light : Character of Light	1	noInformation	StructuredText	Unitless	254	The characteristic description of a maritime light or lights at one geographic position that includes its class, number and color(s) of flashes or occultations. [Description] This text is structured as it traditionally has been represented on a paper chart. [Structure] For example: 'Q(6)+L F1, VQ G, L F1 (3+2)WR'.
<i>allowed values:</i> noInformation						
Colour of Navigation Mark Description	1	No Information	String	Unitless	2E+09	A description of any unique aspects of the colouring of a navigation mark. [Description] Used to expand on the use of Attribute: 'Navigation Mark Colour', especially when the required value is not one of the standard Navigation Mark Colour values.
<i>allowed values:</i> No Information						
Colour Pattern	1	No Information	Enumeration	Unitless	0	The colour pattern(s) of an aid to navigation (for example: a buoy, a beacon, and/or a navigation light) or other feature of importance to maritime navigation. [Description] The Attribute: 'Navigation Mark Colour' may be used to specify the colours in the order in which they appear in the pattern.
<i>allowed values:</i> Border Stripe Single Color			Diagonal Stripes Squared			Horizontal Stripes Stripes No Information Vertical Stripes
Conspicuous Sea Category	1	No Information	Enumeration	Unitless	0	The manner in which an object is conspicuous when viewed from the sea. [Description] A conspicuous feature is easily detected and identified under varying conditions (for example: lighting). Factors affecting conspicuousness include size, shape, and/or height.
<i>allowed values:</i> No Information Visual and Radar			Not Conspicuous			Radar Visual
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information

	Daymark Shape	1	No Information	Enumeration	Unitless	0	The distinctive shape of a daymark. [Description] A daymark is a maritime beacon consisting of an unlighted panel of adequate viewing area to be seen at the required distance and having a distinctive shape, colour and/or number that serve to facilitate its recognition against a daylight viewing background.
	<i>allowed values:</i> Cage Rectangle			Circular Square			Diamond Trapezoidal No Information Triangle
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Planned			Non-operational Temporarily Non-operational			Operational Partially Operational
New	Feature Code	1	BC041	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BC041						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Floodlit	1	No Information	Boolean	Unitless	0	An indication that a structure is floodlit.
	<i>allowed values:</i> False			No Information			True
	Fog Signal : Fog Signal Type	1	No Information	Enumeration	Unitless	0	The type of a fog signal based on its signal characteristics and method of generation.
	<i>allowed values:</i> Bell Horn Other			Diaphone No Information Reed			Explosive None Siren Gong Not Applicable Whistle
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Guyed	1	No Information	Boolean	Unitless	0	An indication that an object is guided, secured, or steadied by guy wires.
	<i>allowed values:</i> False			No Information			True
	Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Hydrographic NAVAID System	1	No Information	Enumeration	Unitless	0	The marking and numbering system followed by a hydrographic aid to navigation.
	<i>allowed values:</i> IALA Region A SIGNI			IALA Region B US Intracoastal Waterway			No Information US Uniform State No System US Western Rivers
	IALA A or B Adopted	1	No Information	Boolean	Unitless	0	An indication that an International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) bouyage system has been adopted by the national authority.

<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
IMO Adopted	1	No Information	Boolean	Unitless	0	An indication that a Traffic Separation Scheme (TSS) has been adopted by the International Maritime Organization (IMO).
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999.0</i>						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i> At Shoreline			Inland			No Information Offshore
Maritime Radiobeacon Present	1	No Information	Boolean	Unitless	0	An indication that a structure (for example: a maritime navigation beacon or a maritime navigation light) has an associated maritime radiobeacon. [Description] A maritime radiobeacon is an electronic aid to maritime navigation consisting of a radio transmitter that broadcasts distinctive and/or characteristic signals.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Maritime Radiobeacon : Maritime Radiobeacon Type	3	No Information	Enumeration	Unitless	0	The type of an electronic aid to maritime navigation consisting of a radio transmitter that broadcasts distinctive and/or characteristic signals. [Description] For example, a directional radio beacon or a radar marker (RAMARK).
<i>allowed values:</i> Automated Identification System (AIS) No Information Radar Responder Beacon (RACON)			Circular Radiobeacon Other Radio Direction Finding Station			Directional Radiobeacon QTG Station Rotating Pattern Radiobeacon Long Range Air Navigation System (LORAN) C Radar Marker (RAMARK)
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Maritime Navigation Light : Multiple Light Ranges	1	noInformation	StructuredText	Unitless	254	A set of two numbers for light ranges of visibility (at a light) expressed in nautical miles. [Structure] The numbers are separated by a slash (/) if only two visibilities exist, or by a dash (-) separating the greatest and least visibilities if three or more exist.
<i>allowed values:</i> <i>noInformation</i>						
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Radar Reflector Present	1	No Information	Boolean	Unitless	0	An indication that an object has an associated radar reflector.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMClassificationAll
<i>allowed values:</i> <i>U</i>						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	1	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Concrete Other			Fibreglass Plastic			Metal Wood No Information
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True
Topmark Shape	1	No Information	Enumeration	Unitless	0	The characteristic topmark or daymark shape attached to a maritime aid to navigation to aid identification. [Description] May be secured at the top of a buoy or beacon.
<i>allowed values:</i> 2 Cones Base to Base 2 Spheres One over Other Can over Ball Cross over Ball No Information T-shaped			2 Cones Point to Point Ball over Cone Cone over Ball Cylinder Other Upright Cross			2 Cones Points Downward Besom Point Downward Cone Point Downward Diamond Sphere X-shaped 2 Cones Points Upward Besom Point Upward Cone Point Upward Diamond over Ball Square
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
<i>allowed values:</i> Mast			No Information			Other Pole
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						

Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i>	Above Surface		No Information		On Surface	
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: MaritimeNavLightSupport (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MaritimeNavLightSupport (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 MaritimeNavLightSupport (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 MaritimeNavLightSupport (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MaritimeNavLightSupport (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MaritimeNavLightSupport (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MaritimeNavLightSupport (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MaritimeNavLightSupport (Point) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup)
 MaritimeNavLightSupport (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 MaritimeNavLightSupport (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature MaritimeRadarRefLine (Line)

New ☐ Maritime Radar Reference Line

A track along which ships may be guided by coastal radar stations, especially in the event of reduced visibility.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
Bearing and Reciprocal Category	1	noInformation	StructuredText	Unitless	14	The true course of a vessel when proceeding along a track or route, followed by its reciprocal bearing. [Structure] Resolution of the bearing and reciprocal are to the nearest 0.1 arc degree, separated by a hyphen, for example: '053.1-233.1'.
<i>allowed values:</i>	noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	[-999999, -999999]					
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i>	noInformation					
New Feature Code	1	FC130	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	FC130					
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i>	noInformation					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<u>allowed values:</u> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: MaritimeRadarRefLine (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MaritimeRadarRefLine (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 MaritimeRadarRefLine (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 MaritimeRadarRefLine (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MaritimeRadarRefLine (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MaritimeRadarRefLine (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MaritimeRadarRefLine (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MaritimeRadarRefLine (Line) - is a member of group - Exactly one - HydroAidNavigationCrv (FeatureGroup)
 MaritimeRadarRefLine (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 MaritimeRadarRefLine (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature MaritimeRadiobeacon (Point)

New ☐ Maritime Radiobeacon

An electronic aid to maritime navigation consisting of a radio transmitter that broadcasts distinctive signals.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Broadcast Frequency	2	-999999	Integer	Hertz	0	The transmission frequency of a radio communications device (for example: a television station or a radiobeacon).
<i>allowed values:</i> -999999						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BC034	CONSTRAINED_STRING	Unitless	5	Feature Code

allowed values: BC034

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Maritime Radiobeacon Type	1	No Information	Enumeration	Unitless	0	The type of an electronic aid to maritime navigation consisting of a radio transmitter that broadcasts distinctive and/or characteristic signals. [Description] For example, a directional radio beacon or a radar marker (RAMARK).
	<u>allowed values:</u> Circular Radiobeacon QTG Station Rotating Pattern Radiobeacon			Directional Radiobeacon Radar Marker (RAMARK)			No Information Radar Responder Beacon (RACON) Other Radio Direction Finding Station
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Primary Operating Range	1	-999999.0	Real	Nautical Mile	0	The primary range of the NAVAID beyond which the capture of the signal is not completely assured.
	<u>allowed values:</u> -999999.0						
	Maritime Navigation Beacon : Radar Reflector Present	1	No Information	Boolean	Unitless	0	An indication that an object has an associated radar reflector.
	<u>allowed values:</u> False			No Information			True
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<u>allowed values:</u> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Maritime Navigation Beacon : Topmark Shape	1	No Information	Enumeration	Unitless	0	The characteristic topmark or daymark shape attached to a maritime aid to navigation to aid identification. [Description] May be secured at the top of a buoy or beacon.
<i>allowed values:</i> 2 Cones Base to Base 2 Spheres One over Other Besom Point Upward Cone over Ball Diamond Not Applicable			2 Cones Point to Point Ball (Filled) Can (Filled) Cone Point Downward Diamond over Ball Other		2 Cones Points Downward Ball (Open) Can (Open) Cone Point Upward Double Cone, Points Apart (Open) Upright Cross	2 Cones Points Upward Ball over Cone Can over Ball Cross Over Ball (Filled) No Information X-shaped
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: MaritimeRadiobeacon (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MaritimeRadiobeacon (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 MaritimeRadiobeacon (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 MaritimeRadiobeacon (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MaritimeRadiobeacon (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MaritimeRadiobeacon (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MaritimeRadiobeacon (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MaritimeRadiobeacon (Point) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup)
 MaritimeRadiobeacon (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 MaritimeRadiobeacon (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature MaritimeRoute (Area)New ☐ Maritime Route**A track or lane established for the safe passage of vessels.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Doubtful Least Depth Not Applicable Unconfirmed Depth			Depth Known Maintained Depth Other Unmaintained Depth			Depth Unreliable No Information Safe Clearance Known
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Side-scan Sonar Computer Generated Lead-line Other Singlebeam			Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle			Bathymetric LiDAR Electromagnetic Sensor No Information Side-scan Sonar
Bearing and Reciprocal Category	1	noInformation	StructuredText	Unitless	14	The true course of a vessel when proceeding along a track or route, followed by its reciprocal bearing. [Structure] Resolution of the bearing and reciprocal are to the nearest 0.1 arc degree, separated by a hyphen, for example: ',053.1-233.1'.
<i>allowed values:</i> noInformation						
Bearing from Seaward	1	-999999.0	REAL	Arc Degree	0	The bearing of an object measured from a position at sea to the object (not from the object to somewhere at sea).
<i>allowed values:</i> -999999.0						
Bidirectional	1	No Information	Boolean	Unitless	0	An indication that a feature supports bidirectional flow.
<i>allowed values:</i> False			No Information			True
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Description of Aids to Navigation	1	No Information	String	Unitless	2E+09	Textual description of aids to navigation marking a feature. [Description] For example, 'marked by buoys'.
<i>allowed values:</i> No Information						
Description of Reference Point	1	No Information	String	Unitless	2E+09	Description of the feature(s) which form a Leading Line or Clearing Line.
<i>allowed values:</i> No Information						
Direction of Flow	1	-999999.0	REAL	Arc Degree	0	The bearing of movement or direction of the flow.

	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	FC165	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> FC165						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Hydrographic Depth	1	-999999.0	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
	<i>allowed values:</i> False			No Information		True	
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Intended Use	1	No Information	Enumeration	Unitless	0	The intended use of a maritime route. [Description] Unless stated otherwise, routeing systems are recommended for use by all ships and may be made mandatory for all ships, certain categories of ships or ships carrying certain cargoes, or types and quantities of bunker fuel. Routeing systems are intended for use by day and by night in all weathers, in ice-free waters or under light ice conditions where no extraordinary manoeuvres or icebreaker assistance are required.
<i>allowed values:</i> Deep Water Route Recommended Direction of Traffic Flow Transit Route			No Information Recommended Route Two-way Route			Other Recommended Track for Deep Draft Vessels Q-Route Recommended Track for Other Than Deep Draft Vessels
Hydrographic Depth : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<i>allowed values:</i> Approximate Lowest Astronomical Tide Approximate Mean Sea Level High Water Springs Highest High Water Local Datum Lower Low Water Large Tide Mean High Water Mean Higher High Water Springs Mean Lower Low Water Mean Water Level No Information			Approximate Mean Low Water Chart Datum (Unspecified) Higher High Water Indian Spring High Water Low Water Lowest Astronomical Tide Mean High Water Neaps Mean Low Water Mean Lower Low Water Springs Neap Tide Other			Approximate Mean Low Water Springs Equinoctial Spring Low Water Higher High Water Large Tide Indian Spring Low Water Low Water Springs Lowest Low Water Mean High Water Springs Mean Low Water Neaps Mean Sea Level Nearly Highest High Water Spring Tide
Hydrographic Depth : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.

allowed values: No Information

Hydrographic Depth : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
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allowed values: Mathews Tables
Sound Velocity MeterNo Information
Sounder 1500 Calibrated*Not Applicable*
Sounder 4800 CalibratedOther
Sounder Other Calibrated

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation*allowed values:* pimGUID

Hydrographic Depth : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
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allowed values: False

No Information

True

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: MaritimeRoute (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MaritimeRoute (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 MaritimeRoute (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 MaritimeRoute (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MaritimeRoute (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MaritimeRoute (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MaritimeRoute (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MaritimeRoute (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 MaritimeRoute (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 MaritimeRoute (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature MaritimeRoute (Line)New ☐ Maritime Route**A track or lane established for the safe passage of vessels.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Doubtful Least Depth Not Applicable Unconfirmed Depth			Depth Known Maintained Depth Other Unmaintained Depth			Depth Unreliable No Information Safe Clearance Known
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Side-scan Sonar Computer Generated Lead-line Other Singlebeam			Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle			Bathymetric LiDAR Electromagnetic Sensor No Information Side-scan Sonar
Bearing and Reciprocal Category	1	noInformation	StructuredText	Unitless	14	The true course of a vessel when proceeding along a track or route, followed by its reciprocal bearing. [Structure] Resolution of the bearing and reciprocal are to the nearest 0.1 arc degree, separated by a hyphen, for example: '053.1-233.1'.
<i>allowed values:</i> noInformation						
Bearing from Seaward	1	-999999.0	REAL	Arc Degree	0	The bearing of an object measured from a position at sea to the object (not from the object to somewhere at sea).
<i>allowed values:</i> -999999.0						
Bidirectional	1	No Information	Boolean	Unitless	0	An indication that a feature supports bidirectional flow.
<i>allowed values:</i> False			No Information			True
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Description of Aids to Navigation	1	No Information	String	Unitless	2E+09	Textual description of aids to navigation marking a feature. [Description] For example, 'marked by buoys'.
<i>allowed values:</i> No Information						
Description of Reference Point	1	No Information	String	Unitless	2E+09	Description of the feature(s) which form a Leading Line or Clearing Line.
<i>allowed values:</i> No Information						
Direction of Flow	1	-999999.0	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	FC165	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FC165						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Hydrographic Depth	1	-999999.0	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Intended Use	1	No Information	Enumeration	Unitless	0	The intended use of a maritime route. [Description] Unless stated otherwise, routeing systems are recommended for use by all ships and may be made mandatory for all ships, certain categories of ships or ships carrying certain cargoes, or types and quantities of bunker fuel. Routeing systems are intended for use by day and by night in all weathers, in ice-free waters or under light ice conditions where no extraordinary manoeuvres or icebreaker assistance are required.
<i>allowed values:</i> Deep Water Route Recommended Direction of Traffic Flow Transit Route			No Information Recommended Route Two-way Route			Other Recommended Track for Deep Draft Vessels Q-Route Recommended Track for Other Than Deep Draft Vessels
Hydrographic Depth : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<i>allowed values:</i> Approximate Lowest Astronomical Tide Approximate Mean Sea Level High Water Springs Highest High Water Local Datum Lower Low Water Large Tide Mean High Water Mean Higher High Water Springs Mean Lower Low Water Mean Water Level No Information			Approximate Mean Low Water Chart Datum (Unspecified) Higher High Water Indian Spring High Water Low Water Lowest Astronomical Tide Mean High Water Neaps Mean Low Water Mean Lower Low Water Springs Neap Tide Other			Approximate Mean Low Water Springs Equinoctial Spring Low Water Higher High Water Large Tide Indian Spring Low Water Low Water Springs Lowest Low Water Mean High Water Springs Mean Low Water Neaps Mean Sea Level Nearly Highest High Water Spring Tide Approximate Mean Lower Low Water High Water Highest Astronomical Tide International Great Lakes Datum 1985 Lower Low Water Lowest Low Water Springs Mean Higher High Water Mean Low Water Springs Mean Tide Level Nearly Lowest Low Water
Hydrographic Depth : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
<i>allowed values:</i> No Information						
Hydrographic Depth : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
<i>allowed values:</i> Mathews Tables Sound Velocity Meter			No Information Sounder 1500 Calibrated			Not Applicable Sounder 4800 Calibrated Other Sounder Other Calibrated
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Hydrographic Depth : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
<i>allowed values:</i> False						
No Information						
True						
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: MaritimeRoute (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MaritimeRoute (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 MaritimeRoute (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 MaritimeRoute (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MaritimeRoute (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MaritimeRoute (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MaritimeRoute (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MaritimeRoute (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)
 MaritimeRoute (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 MaritimeRoute (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature MaritimeSignalStation (Point)New ☐ Maritime Signal Station**A place on shore from which signals are made to vessels at sea.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Wireless Telecommunication Information : Broadcast Frequency	1	-999999	Integer	TBD	0	The transmission frequency of a radio communications device (for example: a television station or a radiobeacon).
<i>allowed values:</i> -999999						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian						
Other						
Joint Military and Civilian						
Private						
Military						
Public						
No Information						

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BB155	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BB155						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Maritime Station Type	3	No Information	Enumeration	Unitless	0	The type(s) of activities of significance to navigation and/or operation that take place at a maritime station.
	<i>allowed values:</i> Bridge Signal Station Ice Signal Station No Information Port Control Station Signal Station Time Ball Station Warning Signal Station			Coast Guard Station International Port Signals Station Other Radar Surveillance Station Storm Signal Station Time Signal Station Water-police Station			Fireboat Station Lock Signal Station Pilot Lookout Station Rescue Station Tidal Stream Station Traffic Signal Station Weather Signal Station Fog Signal Military Practice Signal Station Pilot Station Signal Mast Tide Station Unmanned Oceanographic Station

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
<i>allowed values:</i> Cellular Phone Microwave Radio Relay Mobile Phone No Information Other Radio Broadcast Radio Telephone Radio-telegraph Television (TV)						

Relationships: MaritimeSignalStation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
MaritimeSignalStation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
MaritimeSignalStation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
MaritimeSignalStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
MaritimeSignalStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
MaritimeSignalStation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
MaritimeSignalStation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
MaritimeSignalStation (Point) - is a member of group - Exactly one - HydroAidNavigationPnt (FeatureGroup)
MaritimeSignalStation (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
MaritimeSignalStation (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Marsh (Area)

New ☐ Marsh

A soft, poorly drained wetland that is characterized by the growth of only non-woody plants (for example: grasses) and often forms a transition region between a waterbody and land. [Description] It is subject to frequent or tidal inundations, but not considered to be continually under water. It lacks trees. A subtype of the more generalized wetland.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
<i>allowed values:</i> Bedrock Other Sand and Gravel			Clay and Silt Peat Sand over Mud			Gravel and Cobble Rocks and Boulders Silty Sands No Information Sand Soil
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	ED010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ED010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
allowed values: Dry			Intermittent			No Information Perennial
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
allowed values: -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
allowed values: -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
allowed values: -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
allowed values: U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Undergrowth Density	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999.0, -999999.0]						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	1	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Marsh (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Marsh (Area) - has dataset metadata in - Zero or one - Dataset (Area)
Marsh (Area) - has dataset metadata in - Zero or one - Dataset (Table)
Marsh (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Marsh (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Marsh (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Marsh (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Marsh (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
Marsh (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Marsh (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Marsh (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Marsh (Area) - is a member of group - Exactly one - VegetationSrf (FeatureGroup)

Feature MeasuredDistanceLine (Line)

New ☐ Measured Distance Line

A maritime course, the length of which has been accurately measured, whose endpoints are often established by leading lines. [Description] It is used by vessels to calibrate logs, engine revolution counters, and other onboard equipment, and to determine speed.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
Bearing and Reciprocal Category	1	noInformation	StructuredText	Unitless	14	The true course of a vessel when proceeding along a track or route, followed by its reciprocal bearing. [Structure] Resolution of the bearing and reciprocal are to the nearest 0.1 arc degree, separated by a hyphen, for example: '053.1-233.1'.
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
New Feature Code	1	FC100	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> FC100						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length of Range	1	-999999.0	REAL	TBD	0	Length of range established by aids to navigation on the shore.
<u>allowed values:</u> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

allowed values: No Information

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformationallowed values: pimGUID

Relationships: MeasuredDistanceLine (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MeasuredDistanceLine (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 MeasuredDistanceLine (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 MeasuredDistanceLine (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MeasuredDistanceLine (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MeasuredDistanceLine (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MeasuredDistanceLine (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MeasuredDistanceLine (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)
 MeasuredDistanceLine (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 MeasuredDistanceLine (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature MemorialMonument (Area)New ☐ **Memorial Monument****A marker erected and/or maintained as a memorial to a person and/or event.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL130	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL130						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Other			Domed Pitched			Flat Semi-cylindrical No Information
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
<i>allowed values:</i> Arched No Information Pyramidal			Columnar Obelisk Spherical			Cross Other Statue Multiple Arched Plaque Statue on Pedestal
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
<i>allowed values:</i> 'A' Frame No Information			'H' Frame Other			'I' Frame 'Y' Frame Mast

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: MemorialMonument (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MemorialMonument (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 MemorialMonument (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 MemorialMonument (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MemorialMonument (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MemorialMonument (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MemorialMonument (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MemorialMonument (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 MemorialMonument (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 MemorialMonument (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature MemorialMonument (Line)New ☐ Memorial Monument**A marker erected and/or maintained as a memorial to a person and/or event.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

<i>allowed values:</i>		Civilian	Joint Military and Civilian		Military	No Information	
		Other	Private		Public		
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information							
		Partially Operational	Non-operational		Not in Operation		Operational
			Planned		Temporarily Non-operational		
New	Feature Code	1	AL130	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL130							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>		Conventional	Historical Original		Historical Transliterated		Native Original
		Native Transliterated	No Information		Other		Provisional
		Unverified Original	Unverified Transliterated		Variant Original		Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Other Domed Pitched Flat Semi-cylindrical No Information						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
<i>allowed values:</i> Arched No Information Pyramidal Columnnar Obelisk Spherical Cross Other Statue Multiple Arched Plaque Statue on Pedestal						
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
<i>allowed values:</i> 'A' Frame No Information 'H' Frame Other 'I' Frame 'Y' Frame Mast						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: MemorialMonument (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
MemorialMonument (Line) - has dataset metadata in - Zero or one - Dataset (Area)
MemorialMonument (Line) - has dataset metadata in - Zero or one - Dataset (Table)
MemorialMonument (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
MemorialMonument (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
MemorialMonument (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
MemorialMonument (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
MemorialMonument (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
MemorialMonument (Line) - is a member of group - Exactly one - CultureCrv (FeatureGroup)

Feature MemorialMonument (Point)

New ☐ Memorial Monument

A marker erected and/or maintained as a memorial to a person and/or event.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> False No Information True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL130	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> AL130
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set. <i>allowed values:</i> noInformation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end. <i>allowed values:</i> No Information
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2 <i>allowed values:</i> No Information Other

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Other			Domed Pitched			Flat Semi-cylindrical No Information
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
<i>allowed values:</i> Arched No Information Pyramidal			Columnar Obelisk Spherical			Cross Other Statue Multiple Arched Plaque Statue on Pedestal
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
<i>allowed values:</i> 'A' Frame No Information			'H' Frame Other			'I' Frame 'Y' Frame Mast
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						

allowed values: *pimGUID*

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<u>allowed values:</u> <i>noInformation</i>						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: *-999999.0*

Relationships: MemorialMonument (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MemorialMonument (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 MemorialMonument (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 MemorialMonument (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MemorialMonument (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MemorialMonument (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MemorialMonument (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MemorialMonument (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 MemorialMonument (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 MemorialMonument (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 MemorialMonument (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 MemorialMonument (Point) - is a member of group - Exactly one - CulturePnt (FeatureGroup)

Feature MilitaryBoundary (Line)New ☒ **Military Boundary****A line that delineates surface areas for the purpose of facilitating coordination and deconfliction of operations between adjacent units, formations, or areas.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> <i>noInformation</i>						
Boundary Dispute Type	1	No Information	Enumeration	Unitless	0	The type of dispute, if any, concerning a boundary.
<u>allowed values:</u> De Facto Undisputed						
			De Jure	In Dispute		No Information
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> <i>[-999999, -999999]</i>						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other						
			Joint Military and Civilian Private	Military Public		No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> <i>noInformation</i>						
New Feature Code	1	STBM1	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> <i>STBM1</i>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: *noInformation*

	Geopolitical Entity Designation : FIPS 10-4 Country Name (first side)	1	No Information	String	Unitless	14	The Federal Information Processing Standards (FIPS) 10-4 full name that designates a geopolitical entity (for example: a State). [Description] Often termed a 'country name'. Includes only the letters A through Z and punctuation marks.
	<i>allowed values:</i> No Information						
	<i>allowed values:</i> No Information						
	Geopolitical Entity : Geographic Name Information (1) : Full Name (first side)	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	<i>allowed values:</i> No Information						
	<i>allowed values:</i> No Information						
	Geopolitical Entity : Geographic Name Information (1) : Geographic Name Type (first side)	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional			Historical Original			Historical Transliterated
	Native Transliterated			No Information			Other
	Unverified Original			Unverified Transliterated			Variant Original
	<i>allowed values:</i> Conventional			Historical Original			Historical Transliterated
	Native Transliterated			No Information			Other
	Unverified Original			Unverified Transliterated			Variant Original
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
New	Military Use Type	1	No Information	Enumeration	Unitless	0	Type of military line or area.
	<i>allowed values:</i> Bomb release line			Forward Edge of Battle Area			Forward Line of Enemy Troops
	Missile release line			No Information			Other
	Supply Route, Alternate			Supply Route, Main			Forward Line of Own Troops
							Report line
	Geopolitical Entity : Geographic Name Information (1) : Name Identifier (first side)	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: MilitaryBoundary (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MilitaryBoundary (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 MilitaryBoundary (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 MilitaryBoundary (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MilitaryBoundary (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MilitaryBoundary (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MilitaryBoundary (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MilitaryBoundary (Line) - is a member of group - Exactly one - MilitaryCrv (FeatureGroup)
 MilitaryBoundary (Line) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 MilitaryBoundary (Line) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 MilitaryBoundary (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 MilitaryBoundary (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature MilitaryInstallation (Area)New ☐ Military Installation

An installation designed for military use. [Description] For example, used to perform military operations, initiate forward movements, and/or furnish supplies. Often protected by fortifications or natural advantages.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	SU001	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> SU001						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
New Military Operations Type	1	No Information	Enumeration	Unitless	0	Type of coordinated military actions of a state in response to a developing situation.
<i>allowed values:</i> Air Departure Point Command Post Evacuee Handling Centre Other			Amphibious Departure Point Evacuation Point Forward Operating Base Patrol Base			Brigade Maintenance Area Evacuee Assembly Area No Information Command Outpost Evacuee Collection Point Observation Post
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Air Force Coastguard No Information			Air National Guard Joint Other			Army Marines Army National Guard Navy
New Military Use Type	1	No Information	Enumeration	Unitless	0	Type of military line or area.
<i>allowed values:</i> Area of Interest Named Area of Interest Other Target Area of Interest			Area of Operations No Fly Zone Out of Bounds Temporary Area of Operations			Forward Line of Enemy Troops No Go Area Restricted Operation Zone Missile release line No Information Tactical Area of Responsibility
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: MilitaryInstallation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MilitaryInstallation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 MilitaryInstallation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 MilitaryInstallation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MilitaryInstallation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MilitaryInstallation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MilitaryInstallation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MilitaryInstallation (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 MilitaryInstallation (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 MilitaryInstallation (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 MilitaryInstallation (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 MilitaryInstallation (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature MilitaryInstallation (Point)New ☐ Military Installation

An installation designed for military use. [Description] For example, used to perform military operations, initiate forward movements, and/or furnish supplies. Often protected by fortifications or natural advantages.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	SU001	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> SU001						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<i>allowed values:</i> False		No Information		True		
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
New	Military Operations Type	1	No Information	Enumeration	Unitless	0	Type of coordinated military actions of a state in response to a developing situation.
	<i>allowed values:</i> Air Departure Point Command Post Evacuee Handling Centre Other		Amphibious Departure Point Evacuation Point Forward Operating Base Patrol Base		Brigade Maintenance Area Evacuee Assembly Area No Information		Command Outpost Evacuee Collection Point Observation Post
	Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
	<i>allowed values:</i> Air Force Coastguard No Information		Air National Guard Joint Other		Army Marines		Army National Guard Navy
New	Military Use Type	1	No Information	Enumeration	Unitless	0	Type of military line or area.

<i>allowed values:</i>	Area of Interest Named Area of Interest Other Target Area of Interest	Area of Operations No Fly Zone Out of Bounds Temporary Area of Operations	Forward Line of Enemy Troops No Go Area Restricted Operation Zone	Missile release line No Information Tactical Area of Responsibility		
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	False		No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: MilitaryInstallation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MilitaryInstallation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 MilitaryInstallation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 MilitaryInstallation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MilitaryInstallation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MilitaryInstallation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MilitaryInstallation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MilitaryInstallation (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 MilitaryInstallation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 MilitaryInstallation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 MilitaryInstallation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 MilitaryInstallation (Point) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup)

Feature Minefield (Area)

Red ☐ Minefield

A site laid with explosive mines.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	AL065	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL065						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<i>allowed values:</i> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Minefield (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Minefield (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Minefield (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Minefield (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Minefield (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Minefield (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Minefield (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Minefield (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Minefield (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Minefield (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature MineralPile (Area)New ☐ Mineral Pile

A man-made heap of mining or quarrying products that does not contain waste materials. [Description] For example, a pile of coal or quarried stones.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM040						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information		True	
	Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
	<u>allowed values:</u> Coal Ore Stone			Coke Other Sulphur		Gravel Salt	No Information Sand
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: MineralPile (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MineralPile (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 MineralPile (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 MineralPile (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MineralPile (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MineralPile (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MineralPile (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MineralPile (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 MineralPile (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 MineralPile (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature MineralPile (Point)New ☐ Mineral Pile

A man-made heap of mining or quarrying products that does not contain waste materials. [Description] For example, a pile of coal or quarried stones.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM040						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information		True	
	Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
	<u>allowed values:</u> Coal Ore Stone			Coke Other Sulphur		Gravel Salt	No Information Sand
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: MineralPile (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MineralPile (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 MineralPile (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 MineralPile (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MineralPile (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MineralPile (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MineralPile (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MineralPile (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 MineralPile (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 MineralPile (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 MineralPile (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 MineralPile (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature MineShaftSuperstructure (Area)New ☐ Mine Shaft Superstructure

A structure over a vertical mine shaft containing machinery (for example: a winding head or hoist) used to transport minerals, equipment, and/or workers between the surface and various levels within the mine. [Description] It is usually the most prominent structure at a shaft mining facility.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AA020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AA020						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information		True	
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	Dismantled
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
	<i>allowed values:</i> Chromium Gold Nickel Silver			Coal Iron No Information Tin		Copper Lead Other Uranium	Diamond Manganese Salt Zinc
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: MineShaftSuperstructure (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MineShaftSuperstructure (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 MineShaftSuperstructure (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 MineShaftSuperstructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MineShaftSuperstructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MineShaftSuperstructure (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MineShaftSuperstructure (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MineShaftSuperstructure (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 MineShaftSuperstructure (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature MineShaftSuperstructure (Point)New ☐ Mine Shaft Superstructure

A structure over a vertical mine shaft containing machinery (for example: a winding head or hoist) used to transport minerals, equipment, and/or workers between the surface and various levels within the mine. [Description] It is usually the most prominent structure at a shaft mining facility.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AA020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AA020						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
	<i>allowed values:</i> Chromium Gold Nickel Silver			Coal Iron No Information Tin			Copper Lead Other Uranium Diamond Manganese Salt Zinc
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from aodelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: MineShaftSuperstructure (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MineShaftSuperstructure (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 MineShaftSuperstructure (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 MineShaftSuperstructure (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MineShaftSuperstructure (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MineShaftSuperstructure (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MineShaftSuperstructure (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MineShaftSuperstructure (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 MineShaftSuperstructure (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 MineShaftSuperstructure (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 MineShaftSuperstructure (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 MineShaftSuperstructure (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature MissileSite (Area)New ☐ Missile Site**A site and related facilities for storing and launching missiles.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL120	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL120						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Air Force Marines			Army Navy			Coastguard No Information Joint Other
Missile Site Type	3	No Information	Enumeration	Unitless	0	The type of a missile site based on the class of missiles it houses.
<i>allowed values:</i> Anti-ballistic Missile (ABM) No Information SA-11 Gadfly SA-15 Gauntlet SA-19 Grison SA-5 Gammon SA-9 Gaskin			Intercontinental Ballistic Missile (ICBM) Other SA-12 Gladiator/Giant SA-16 Gimlet SA-2 Guideline SA-6 Gainful Surface-to-air Missile (SAM)			Intermediate-range Ballistic Missile (IRBM) SA-1 Guild SA-13 Gopher SA-17 Grizzly SA-3 Goa SA-7 Grail Surface-to-surface Missile (SSM) Medium-range Ballistic Missile (MRBM) SA-10 Grumble SA-14 Gremlin SA-18 Grouse SA-4 Ganef SA-8 Gecko
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.

<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> <div>Brick</div> <div>Metal</div> <div>Reinforced Concrete</div> <div>Concrete</div> <div>No Information</div> <div>Steel</div> <div>Iron</div> <div>Other</div> <div>Stone</div> <div>Masonry</div> <div>Prestressed Concrete</div> <div>Wood</div>						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: MissileSite (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
MissileSite (Area) - has dataset metadata in - Zero or one - Dataset (Area)
MissileSite (Area) - has dataset metadata in - Zero or one - Dataset (Table)
MissileSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
MissileSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
MissileSite (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
MissileSite (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
MissileSite (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
MissileSite (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
MissileSite (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
MissileSite (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature MissileSite (Point)New ☐ Missile Site**A site and related facilities for storing and launching missiles.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

<i>allowed values:</i> Civilian Other		Joint Military and Civilian Private		Military Public		No Information	
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	AL120	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL120							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information		Other					
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
	Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False		No Information		True			
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							

Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i>	Air Force Marines		Army Navy		Coastguard No Information	
					Joint Other	
Missile Site Type	3	No Information	Enumeration	Unitless	0	The type of a missile site based on the class of missiles it houses.
<i>allowed values:</i>	Anti-ballistic Missile (ABM) No Information SA-11 Gadfly SA-15 Gauntlet SA-19 Grisom SA-5 Gammon SA-9 Gaskin		Intercontinental Ballistic Missile (ICBM) Other SA-12 Gladiator/Giant SA-16 Gimlet SA-2 Guideline SA-6 Gainful Surface-to-air Missile (SAM)		Intermediate-range Ballistic Missile (IRBM) SA-1 Guild SA-13 Gopher SA-17 Grizzly SA-3 Goa SA-7 Grail Surface-to-surface Missile (SSM)	
					Medium-range Ballistic Missile (MRBM) SA-10 Grumble SA-14 Gremlin SA-18 Grouse SA-4 Ganef SA-8 Gecko	
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	False		No Information		True	
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
<i>allowed values:</i>	False		No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information		Destroyed Unmaintained	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick Metal Reinforced Concrete			Concrete No Information Steel			Iron Other Stone Masonry Prestressed Concrete Wood
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: MissileSite (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
MissileSite (Point) - has dataset metadata in - Zero or one - Dataset (Area)
MissileSite (Point) - has dataset metadata in - Zero or one - Dataset (Table)
MissileSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
MissileSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
MissileSite (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
MissileSite (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
MissileSite (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
MissileSite (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
MissileSite (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
MissileSite (Point) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup)

Feature Moat (Area)

New ☐ Moat

A trench surrounding a tract of land and serving as a barrier. [Description] It is usually filled with water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH100	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH100						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry			Intermittent			No Information Perennial
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999.0						
	Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999.0						
	Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999.0						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<i>allowed values:</i> -999999.0						

Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Nonpotable Other						
<i>allowed values:</i> Treatable						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Brackish Brine Fresh						
<i>allowed values:</i> Mineral No Information Not Applicable Saline						
<i>allowed values:</i> Seawater						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Moat (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Moat (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Moat (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Moat (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Moat (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Moat (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Moat (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Moat (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Moat (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Moat (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature Moat (Line)

New ☐ Moat**A trench surrounding a tract of land and serving as a barrier. [Description] It is usually filled with water.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH100	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH100						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information		Other					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<u>allowed values:</u> Dry		Intermittent		No Information		Perennial	
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999.0							
	Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> -999999.0							
	Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999.0							
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<u>allowed values:</u> Construction Intact		Damaged No Information		Destroyed Unmaintained		Dismantled	

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<i>allowed values:</i> -999999.0						

Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Nonpotable Other						
<i>allowed values:</i> Treatable						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Brackish Brine Fresh						
<i>allowed values:</i> Mineral No Information Not Applicable Saline						
<i>allowed values:</i> Seawater						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Moat (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Moat (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Moat (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Moat (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Moat (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Moat (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Moat (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Moat (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Moat (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Moat (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)

Feature **MooringMast (Point)**New ☐ **Mooring Mast****A mast used to secure an airship.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> False No Information True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ110	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> AQ110
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set. <i>allowed values:</i> noInformation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end. <i>allowed values:</i> No Information
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2 <i>allowed values:</i> No Information Other
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Guyed	1	No Information	Boolean	Unitless	0	An indication that an object is guided, secured, or steadied by guy wires.	
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> <i>-999999.0</i>							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> <i>-999999.0</i>							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> <i>-999999.0</i>							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	
Pylon Material	1	No Information	Enumeration	Unitless	0	The primary type of material composing a pylon. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.	
<i>allowed values:</i> Aluminum Masonry Steel			Concrete Metal Wood			Fibreglass No Information	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll	
<i>allowed values:</i> <i>U</i>							

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
<i>allowed values:</i> Mast Tubular			No Information			Other Truss
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: MooringMast (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MooringMast (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 MooringMast (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 MooringMast (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MooringMast (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MooringMast (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MooringMast (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MooringMast (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 MooringMast (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 MooringMast (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 MooringMast (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 MooringMast (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)

Feature Moraine (Area)

New ☐ Moraine

An accumulation of soil and stone debris deposited by a glacier.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BJ020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BJ020						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Moraine (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Moraine (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Moraine (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Moraine (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Moraine (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Moraine (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Moraine (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Moraine (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Moraine (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Moraine (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Moraine (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Moraine (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature MotorVehicleStation (Area)New ☐ Motor Vehicle Station**A building at, or in which, motor vehicles are refuelled, serviced, and sometimes repaired. [Description] Usually accompanied by several prominently placed petrol pumps.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.

allowed values: No Information

	Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<i>allowed values:</i> -999999.0						
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AQ170	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ170						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Convenience Store Other			Meeting Place Petrol Sale			Motor Vehicle Repair Restroom No Information
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/c/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/c/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<div> <i>allowed values:</i> <div> Conical No Information Pyramidal </div> <div> Domed Other Sawtoothed </div> <div> Flat Pitched Semi-cylindrical </div> <div> Flat with Clerestory Pitched with Clerestory With Clerestory </div> </div>						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: MotorVehicleStation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MotorVehicleStation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 MotorVehicleStation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 MotorVehicleStation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MotorVehicleStation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MotorVehicleStation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MotorVehicleStation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MotorVehicleStation (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 MotorVehicleStation (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 MotorVehicleStation (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 MotorVehicleStation (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature MotorVehicleStation (Point)New ☐ **Motor Vehicle Station**

A building at, or in which, motor vehicles are refuelled, serviced, and sometimes repaired. [Description] Usually accompanied by several prominently placed petrol pumps.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ170	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ170						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Convenience Store Other			Meeting Place Petrol Sale			Motor Vehicle Repair Restroom No Information
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information	True		
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information	Destroyed Unmaintained	Dismantled	

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						

allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: MotorVehicleStation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MotorVehicleStation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 MotorVehicleStation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 MotorVehicleStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MotorVehicleStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MotorVehicleStation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MotorVehicleStation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MotorVehicleStation (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 MotorVehicleStation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 MotorVehicleStation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 MotorVehicleStation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 MotorVehicleStation (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature MountainPass (Point)New ☐ Mountain Pass**A narrow route through a mountainous region or over a mountain range.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> <i>[-999999, -999999]</i>						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> <i>noInformation</i>						
New Feature Code	1	DB150	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> <i>DB150</i>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> <i>noInformation</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> <i>No Information</i>						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information			Other			
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
	<u>allowed values:</u> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: MountainPass (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
MountainPass (Point) - has dataset metadata in - Zero or one - Dataset (Area)
MountainPass (Point) - has dataset metadata in - Zero or one - Dataset (Table)
MountainPass (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
MountainPass (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
MountainPass (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
MountainPass (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
MountainPass (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
MountainPass (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
MountainPass (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
MountainPass (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
MountainPass (Point) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup)

Feature MunitionStorageFacility (Area)

New ☐ Munition Storage Facility

A facility for the storage of munitions (for example: bombs, missiles, warheads, mines or ammunition). [Description] Specifically, storage of weapons charged with: explosives; propellant; pyrotechnics; initiating composition; or nuclear, chemical, or biological material for use in military operations. Facilities may range in size from a small stockpile of munitions (sometimes termed an 'ammo dump') that may be reverted to a large perimeter-controlled site with multiple dispersed bunkers laid out to minimize the effect of accidental detonation (sometimes termed a 'munitions depot').

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM065	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM065						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2

<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: MunitionStorageFacility (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 MunitionStorageFacility (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 MunitionStorageFacility (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 MunitionStorageFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 MunitionStorageFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 MunitionStorageFacility (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 MunitionStorageFacility (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 MunitionStorageFacility (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 MunitionStorageFacility (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 MunitionStorageFacility (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 MunitionStorageFacility (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 MunitionStorageFacility (Area) - is a member of group - Exactly one - StorageSrf (FeatureGroup)

Feature MunitionStorageFacility (Point)New ☐ Munition Storage Facility

A facility for the storage of munitions (for example: bombs, missiles, warheads, mines or ammunition). [Description] Specifically, storage of weapons charged with: explosives; propellant; pyrotechnics; initiating composition; or nuclear, chemical, or biological material for use in military operations. Facilities may range in size from a small stockpile of munitions (sometimes termed an 'ammo dump') that may be revetted to a large perimeter-controlled site with multiple dispersed bunkers laid out to minimize the effect of accidental detonation (sometimes termed a 'munitions depot').

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM065	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM065						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

<u>allowed values:</u> <i>noInformation</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original						
Other						
Historical Original						
No Information						
Historical Transliterated						
Other						
Native Original						
Provisional						
Unverified Transliterated						
Variant Original						
Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> <i>-999999.0</i>						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> <i>-999999.0</i>						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> <i>-999999.0</i>						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<u>allowed values:</u> <i>False</i>						
No Information						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> <i>False</i>						
No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<u>allowed values:</u> <i>True</i>						

<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer	
<i>allowed values:</i> noInformation							
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.	
<i>allowed values:</i> noInformation							
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	
<i>allowed values:</i> noInformation							
<i>allowed values:</i> pimGUID							

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: MunitionStorageFacility (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
MunitionStorageFacility (Point) - has dataset metadata in - Zero or one - Dataset (Area)
MunitionStorageFacility (Point) - has dataset metadata in - Zero or one - Dataset (Table)
MunitionStorageFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
MunitionStorageFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
MunitionStorageFacility (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
MunitionStorageFacility (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
MunitionStorageFacility (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
MunitionStorageFacility (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
MunitionStorageFacility (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
MunitionStorageFacility (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
MunitionStorageFacility (Point) - is a member of group - Exactly one - StoragePnt (FeatureGroup)

Feature **NamedLocation (Area)** New ☐ Named Location

A location that normally does not appear as a specific, characterized object but that has a name that is required to be displayed in association with that location. [Description] For example, the name of the Alps or the Sahara.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	ZD040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZD040						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Named Location Type	1	No Information	Enumeration	Unitless	0	The type of a location that normally does not appear as a specific, characterized object but that has a name that is required to be displayed in association with that location.
<i>allowed values:</i> Arctic Land Other			Area Populated Locality			Locality Region No Information
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: NamedLocation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 NamedLocation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 NamedLocation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 NamedLocation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 NamedLocation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 NamedLocation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 NamedLocation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 NamedLocation (Area) - is a member of group - Exactly one - InformationSrf (FeatureGroup)
 NamedLocation (Area) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 NamedLocation (Area) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 NamedLocation (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 NamedLocation (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature NamedLocation (Line)

New ☐ Named Location

A location that normally does not appear as a specific, characterized object but that has a name that is required to be displayed in association with that location. [Description] For example, the name of the Alps or the Sahara.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: noInformation

New	Feature Code	1	ZD040	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> ZD040						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Named Location Type	1	No Information	Enumeration	Unitless	0	The type of a location that normally does not appear as a specific, characterized object but that has a name that is required to be displayed in association with that location.
	<i>allowed values:</i> Arctic Land Other			Area Populated Locality		Locality Region	No Information
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<i>allowed values:</i> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information						
	<i>allowed values:</i> Other						

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: NamedLocation (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
NamedLocation (Line) - has dataset metadata in - Zero or one - Dataset (Area)
NamedLocation (Line) - has dataset metadata in - Zero or one - Dataset (Table)
NamedLocation (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
NamedLocation (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
NamedLocation (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
NamedLocation (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
NamedLocation (Line) - is a member of group - Exactly one - InformationCrv (FeatureGroup)
NamedLocation (Line) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
NamedLocation (Line) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
NamedLocation (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
NamedLocation (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature NamedLocation (Point)

New ☐ Named Location

A location that normally does not appear as a specific, characterized object but that has a name that is required to be displayed in association with that location. [Description] For example, the name of the Alps or the Sahara.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	ZD040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZD040						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Named Location Type	1	No Information	Enumeration	Unitless	0	The type of a location that normally does not appear as a specific, characterized object but that has a name that is required to be displayed in association with that location.
<i>allowed values:</i> Arctic Land Other			Area Populated Locality			Locality Region No Information

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: NamedLocation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 NamedLocation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 NamedLocation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 NamedLocation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 NamedLocation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 NamedLocation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 NamedLocation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 NamedLocation (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 NamedLocation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 NamedLocation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 NamedLocation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 NamedLocation (Point) - is a member of group - Exactly one - InformationPnt (FeatureGroup)

Feature NaturalPool (Area)New ☐ Natural Pool

A naturally formed pool of water. [Description] It is usually fed by surface drainage from the surrounding region and/or water arising from an underground source (for example: a spring or a resurgence).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquifer Name	1	No Information	String	Unitless	2E+09	The common or scientific name of an aquifer.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						

	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
	Direction of Flow	1	-999999.0	REAL	arcDegree	0	The bearing of movement or direction of the flow.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BH170	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH170						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> Dry			Intermittent			No Information Perennial
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<i>allowed values:</i> False			No Information			True

Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Natural Pool Type	1	No Information	Enumeration	Unitless	0	The type of a natural pool, generally based on its origin.
<i>allowed values:</i> No Information Walled-in Spring			Other			Resurgence Spring
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other

Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i>	Alkaline Mineral Seawater		Brackish No Information		Brine Not Applicable	Fresh Saline
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i>	Agricultural Irrigation Institutional No Information Sanitary Domestic		Commercial Livestock Other		Domestic Irrigation Military Power Generation	Industrial Municipal Recreational
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: NaturalPool (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 NaturalPool (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 NaturalPool (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 NaturalPool (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 NaturalPool (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 NaturalPool (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 NaturalPool (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 NaturalPool (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 NaturalPool (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature NaturalPool (Point)

New ☐ Natural Pool

A naturally formed pool of water. [Description] It is usually fed by surface drainage from the surrounding region and/or water arising from an underground source (for example: a spring or a resurgence).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquifer Name	1	No Information	String	Unitless	2E+09	The common or scientific name of an aquifer.
<i>allowed values:</i>	No Information					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i>	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	[-999999, -999999]					

Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<u>allowed values:</u> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<u>allowed values:</u> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other Joint Military and Civilian Private Military Public No Information						
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<u>allowed values:</u> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<u>allowed values:</u> -999999.0						
Direction of Flow	1	-999999.0	REAL	arcDegree	0	The bearing of movement or direction of the flow.
<u>allowed values:</u> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	BH170	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BH170						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information Other						

Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry			Intermittent			No Information Perennial
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Natural Pool Type	1	No Information	Enumeration	Unitless	0	The type of a natural pool, generally based on its origin.
<i>allowed values:</i> No Information Walled-in Spring			Other			Resurgence Spring
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/c/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information		Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Seawater Brackish No Information Brine Not Applicable Fresh Saline						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: NaturalPool (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 NaturalPool (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 NaturalPool (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 NaturalPool (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 NaturalPool (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 NaturalPool (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 NaturalPool (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 NaturalPool (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 NaturalPool (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 NaturalPool (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 NaturalPool (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 NaturalPool (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature NaturalPoolAON (Area)

New ☒ Natural Pool Area of Numerous

Area of numerous naturally formed pools of water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquifer Name	1	No Information	String	Unitless	2E+09	The common or scientific name of an aquifer.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
Direction of Flow	1	-999999.0	REAL	arcDegree	0	The bearing of movement or direction of the flow.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	NM170	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u>	NM170					
	Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.
	<u>allowed values:</u>	-999999					
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u>	noInformation					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u>	No Information		Other			
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u>	Dry		Intermittent		No Information	
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<u>allowed values:</u>	False		No Information		True	
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u>	-999999.0					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u>	No Information					
	Natural Pool Type	1	No Information	Enumeration	Unitless	0	The type of a natural pool, generally based on its origin.
	<u>allowed values:</u>	No Information Walled-in Spring		Other		Resurgence Spring	
	Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u>	-999999.0					
	Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u>	-999999.0					
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u>	Construction Intact		Damaged No Information		Destroyed Unmaintained	
						Dismantled	

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information			Nonpotable Other
			Treatable			
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational

Relationships: NaturalPoolAON (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 NaturalPoolAON (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 NaturalPoolAON (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 NaturalPoolAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 NaturalPoolAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 NaturalPoolAON (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 NaturalPoolAON (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 NaturalPoolAON (Area) - is a member of group - Exactly one - HydrographyAON (FeatureGroup)
 NaturalPoolAON (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)

Feature NonBuildingStructure (Area)

New ☐ Non-building Structure

A free-standing self-supporting construction (for example: a large piece of equipment) designed to support human activities (for example: agriculture, manufacturing, or mining) but not intended for human occupancy and/or habitation (for example: a house, a bank, an office, or a stadium). [Description] May have only limited protection from the weather (for example: a hayrick) and often composed of components specialized for a particular activity (for example: animal feeding, material storage, or traffic control) or process (for example: chemical reaction, heating, mixing, or physical shaping). For example, a cane press, a cement mill, a cotton gin, a distillation tower, and a rock crusher.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse No Information Scrap-metal
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL014	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL014						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.

allowed values:	Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc	Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water	Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Other Petroleum Plastic Rubber Snow Tobacco Whale Products	Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine		
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
allowed values:	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead No Information Other Plastic Silver Textile Water		
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
allowed values:	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values:	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
allowed values:	noInformation					

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: NonBuildingStructure (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
NonBuildingStructure (Area) - has dataset metadata in - Zero or one - Dataset (Area)
NonBuildingStructure (Area) - has dataset metadata in - Zero or one - Dataset (Table)
NonBuildingStructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
NonBuildingStructure (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
NonBuildingStructure (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
NonBuildingStructure (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
NonBuildingStructure (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
NonBuildingStructure (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
NonBuildingStructure (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
NonBuildingStructure (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
NonBuildingStructure (Area) - is a member of group - Exactly one - StructureSrf (FeatureGroup)

Feature NonBuildingStructure (Point)

New ☐ Non-building Structure

A free-standing self-supporting construction (for example: a large piece of equipment) designed to support human activities (for example: agriculture, manufacturing, or mining) but not intended for human occupancy and/or habitation (for example: a house, a bank, an office, or a stadium). [Description] May have only limited protection from the weather (for example: a hayrick) and often composed of components specialized for a particular activity (for example: animal feeding, material storage, or traffic control) or process (for example: chemical reaction, heating, mixing, or physical shaping). For example, a cane press, a cement mill, a cotton gin, a distillation tower, and a rock crusher.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> False True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance. <i>allowed values:</i> Ash Cinders No Byproduct No Information Other Radioactive Material Refuse Scrap-metal Sewage Slag
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Joint Military and Civilian Military No Information Other Private Public
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Non-operational Not in Operation Operational Partially Operational Planned Temporarily Non-operational
New Feature Code	1	AL014	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> AL014
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set. <i>allowed values:</i> noInformation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end. <i>allowed values:</i> No Information

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.

<i>allowed values:</i>	Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc	Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water	Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Other Petroleum Plastic Rubber Snow Tobacco Whale Products	Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine		
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
<i>allowed values:</i>	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead No Information Other Plastic Silver Textile Water		
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: NonBuildingStructure (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
NonBuildingStructure (Point) - has dataset metadata in - Zero or one - Dataset (Area)
NonBuildingStructure (Point) - has dataset metadata in - Zero or one - Dataset (Table)
NonBuildingStructure (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
NonBuildingStructure (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
NonBuildingStructure (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
NonBuildingStructure (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
NonBuildingStructure (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
NonBuildingStructure (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
NonBuildingStructure (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
NonBuildingStructure (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
NonBuildingStructure (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature NonWaterWell (Point)

New ☐ Non-water Well

A shaft sunk into the ground to reach and tap a supply of liquids and/or gases other than water intended for use in agriculture or domestic consumption. [Description] Typically drilled to tap underground reservoirs of hydrocarbons (for example: petroleum or natural gas). May also, for example, yield geothermally heated liquids for use in power generation or heating, or brine for use in the extraction of salt.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AA054	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: AA054						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
allowed values: noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999.0

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999.0

Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
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allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
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allowed values: Brine
Hydrothermal Fluid
OtherCoalbed Methane
Liquefied Petroleum Gas (LPG)
PetroleumGas
Natural Gas CondensateHelium
No Information

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/icsm/7.0.0/CVEnumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Rig Present	1	No Information	Boolean	Unitless	0	An indication that a rig is present. [Description] A rig is a superstructure fitted for drilling or lifting operations for extraction and/or exploitation of natural resources.
<i>allowed values:</i> False			No Information			True
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Well Equipment	3	No Information	Enumeration	Unitless	0	The type(s) of equipment attached to or adjacent to a wellbore. [Description] A wellbore is the openhole or uncased portion of a well.
<i>allowed values:</i> Capped Other Separator			Christmas Tree Protective Structure Stock Tank			Manifold Pump Treater No Information Rod Pump Wellhead
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: NonWaterWell (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 NonWaterWell (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 NonWaterWell (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 NonWaterWell (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 NonWaterWell (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 NonWaterWell (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 NonWaterWell (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 NonWaterWell (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 NonWaterWell (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 NonWaterWell (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 NonWaterWell (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 NonWaterWell (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature NuclearReactorContainment (Area)

New ☐ Nuclear Reactor Containment

A building-like structure intended to create a barrier against the release of radioactivity generated during nuclear power operations. [Description] The structure is usually heavily reinforced. It houses equipment used to manage a self-sustaining nuclear reaction of fissile material. The consequent release of energy may be used to generate electricity, as in a power plant.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AD041	CONSTRAINED_STRING	Unitless	5	Feature Code

<u>allowed values:</u> AD041							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> <i>U</i>						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> <i>noInformation</i>						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Other			Domed Pitched			Flat Sawtoothed No Information Semi-cylindrical
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques))' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques))' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> <i>noInformation</i>						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Concrete Reinforced Concrete						
No Information						
Steel						
Other						
Prestressed Concrete						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: NuclearReactorContainment (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 NuclearReactorContainment (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 NuclearReactorContainment (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 NuclearReactorContainment (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 NuclearReactorContainment (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 NuclearReactorContainment (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 NuclearReactorContainment (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 NuclearReactorContainment (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 NuclearReactorContainment (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 NuclearReactorContainment (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 NuclearReactorContainment (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 NuclearReactorContainment (Area) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup)

Feature NuclearReactorContainment (Point)New ☐ Nuclear Reactor Containment

A building-like structure intended to create a barrier against the release of radioactivity generated during nuclear power operations. [Description] The structure is usually heavily reinforced. It houses equipment used to manage a self-sustaining nuclear reaction of fissile material. The consequent release of energy may be used to generate electricity, as in a power plant.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False						
No Information						
True						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

	allowed values: <i>noInformation</i>						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	allowed values: <i>[-999999, -999999]</i>						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	allowed values: Civilian Other			Joint Military and Civilian Private			Military Public No Information
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	allowed values: <i>-999999.0</i>						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	allowed values: <i>noInformation</i>						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AD041	CONSTRAINED_STRING	Unitless	5	Feature Code
	allowed values: <i>AD041</i>						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	allowed values: <i>noInformation</i>						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	allowed values: <i>No Information</i>						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	allowed values: <i>No Information</i>						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	allowed values: <i>-999999.0</i>						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged No Information						
Destroyed Unmaintained						
Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/c/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/c/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Other			Domed Pitched			Flat Sawtoothed No Information Semi-cylindrical
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Concrete Reinforced Concrete			No Information Steel			Other Prestressed Concrete
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: NuclearReactorContainment (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 NuclearReactorContainment (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 NuclearReactorContainment (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 NuclearReactorContainment (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 NuclearReactorContainment (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 NuclearReactorContainment (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 NuclearReactorContainment (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 NuclearReactorContainment (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 NuclearReactorContainment (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 NuclearReactorContainment (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 NuclearReactorContainment (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 NuclearReactorContainment (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature Oasis (Area)

New ☐ Oasis

A fertile tract of land that occurs in a desert wherever a permanent supply of fresh water is available. [Description] Oasis vary in size from a pond with a group of date palms around small springs to the oasis cities of the deserts with extended agricultural cultivation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	EC020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EC020						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Oasis (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Oasis (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Oasis (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Oasis (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Oasis (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Oasis (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Oasis (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Oasis (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Oasis (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Oasis (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Oasis (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Oasis (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature Oasis (Point)

New ☐ Oasis

A fertile tract of land that occurs in a desert wherever a permanent supply of fresh water is available. [Description] Oasis vary in size from a pond with a group of date palms around small springs to the oasis cities of the deserts with extended agricultural cultivation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	EC020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EC020						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
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allowed values: -999999.0

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Oasis (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Oasis (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Oasis (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Oasis (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Oasis (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Oasis (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Oasis (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Oasis (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Oasis (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Oasis (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Oasis (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Oasis (Point) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup)

Feature OfficePark (Area)

New ☐ Office Park

A commercial facility consisting of multiple office buildings tenanted by one or more non-retail businesses (for example: corporate management, consulting services, or research and development) and supportive businesses (for example: a restaurant serving mid-day meals or a post office) that share a common park-like setting consisting of landscaping (for example: lawns, ornamental plantings, or ponds), parking facilities, and common entrances from adjacent roads. [Description] May also include commercial tenants involved in light industry (for example: gem cutting or specialized electronics manufacture).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

	Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
	<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag		No Byproduct Refuse	No Information Scrap-metal
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private		Military Public	No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AG040	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AG040						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Accommodation Architecture Consulting Central Banking Convenience Store Emergency Operations Financial Market Administration Government Insurance Legal Activities Mobile Phone Service Office Administration Professional, Scientific and Technical Real Estate Activities Retail Banking Station Television Broadcasting Vocational Education			Accounting Business and Personal Support Services Civil Activities Custodial Service Emergency Relief Services Financial Services Head Office Landscaping Service Local Government Motor Vehicle Parking Other Public Administration Religious Activities Scientific Research and Development Subnational Government Travel Agency Wholesale Merchant		Administration Business Management Civil Intelligence Day Care Employment Agency Fitness Centre Headquarters Laundry Meeting Place Motor Vehicle Rental Out-patient Care Public Health Activities Restaurant Security Brokerage Surveying Urgent Medical Care	Advertising Call Centre Consul Education Engineering Design Fund Management Human Health Activities Law Enforcement Military Recruitment No Information Photography Radio Broadcasting Restroom Social Work Telecommunications Veterinary
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.

allowed values:	Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc	Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water	Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Other Petroleum Plastic Rubber Snow Tobacco Whale Products	Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine		
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
allowed values:	Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood	Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc	Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	Cement Coke Glass Lead No Information Other Plastic Silver Textile Water		
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
allowed values:	Buddhism Islam No Information Roman Catholic	Chaldean Judaism Orthodox Shia	Christian Mixed and/or No Designation Other Shinto	Hinduism Nestorian Protestant Sunni		
Religious Information : Religious Facility Type	1	No Information	Enumeration	Unitless	0	The type of a facility, building, structure or site that is designed and designated to be used for religious activities, based on its structure and/or the principal activity for which it was designed.
allowed values:	Cathedral Hermitage Monastery Other Seminary Tabernacle	Chapel Marabout Mosque Pagoda Shrine Temple	Church Minaret No Information Religious Community Stupa	Convent Mission Noviciate Retreat Synagogue		
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOSINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: *No Information**Other*

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMDissem
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation**allowed values:* *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Wireless Telecommunication Information : Wireless Telecommunication Type

allowed values: Cellular Phone
Other
Television (TV)

Microwave Radio Relay
Radio Broadcast

Mobile Phone
Radio Telephone

No Information
Radio-telegraph

Relationships: OfficePark (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
OfficePark (Area) - has dataset metadata in - Zero or one - Dataset (Area)
OfficePark (Area) - has dataset metadata in - Zero or one - Dataset (Table)
OfficePark (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
OfficePark (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
OfficePark (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
OfficePark (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
OfficePark (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
OfficePark (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
OfficePark (Area) - is a member of group - Exactly one - FacilitySrf (FeatureGroup)

Feature OffshoreConstruction (Area)

New ☐ Offshore Construction

An artificial structure that is located offshore. [Description] It usually has a surface that is raised above the sea and may be used as a working stage for conducting offshore operations (for example: drilling for petroleum and/or natural gas, loading and/or unloading vessels, or navigation support).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BD115	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BD115						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Fog Signal : Fog Signal Type	1	No Information	Enumeration	Unitless	0	The type of a fog signal based on its signal characteristics and method of generation.
	<u>allowed values:</u> Bell Horn Other Submarine Bell			Diaphone Nautophone Radio Tyfon		Explosive No Information Reed Whistle	Gong None Siren
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Hydrographic Vertical Positioning Information : Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
	<u>allowed values:</u> False			No Information		True	

Maritime Radiobeacon : Maritime Radiobeacon Type	3	No Information	Enumeration	Unitless	0	The type of an electronic aid to maritime navigation consisting of a radio transmitter that broadcasts distinctive and/or characteristic signals. [Description] For example, a directional radio beacon or a radar marker (RAMARK).
<i>allowed values:</i>	Automated Identification System (AIS) No Information		Circular Radiobeacon Other		Directional Radiobeacon QTG Station Rotating Pattern Radiobeacon	
	Radar Responder Beacon (RACON)		Radio Direction Finding Station		Long Range Air Navigation System (LORAN) C Radar Marker (RAMARK)	
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	False		No Information		True	
Offshore Construction Primary Structure	1	No Information	Enumeration	Unitless	0	The type of primary structure of an offshore construction upon which various pieces of operation-specific equipment are affixed.
<i>allowed values:</i>	Barge Platform Vessel		Catenary Turntable Submerged Platform		No Information Submerged Turret Other Terminal Buoy	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information		Destroyed Unmaintained Dismantled	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum No Information			Concrete Other			Iron Steel Metal Treated Timber
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: OffshoreConstruction (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
OffshoreConstruction (Area) - has dataset metadata in - Zero or one - Dataset (Area)
OffshoreConstruction (Area) - has dataset metadata in - Zero or one - Dataset (Table)
OffshoreConstruction (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
OffshoreConstruction (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
OffshoreConstruction (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
OffshoreConstruction (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
OffshoreConstruction (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
OffshoreConstruction (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
OffshoreConstruction (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature OffshoreConstruction (Point)

New ☐ Offshore Construction

An artificial structure that is located offshore. [Description] It usually has a surface that is raised above the sea and may be used as a working stage for conducting offshore operations (for example: drilling for petroleum and/or natural gas, loading and/or unloading vessels, or navigation support).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BD115	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD115						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Fog Signal : Fog Signal Type	1	No Information	Enumeration	Unitless	0	The type of a fog signal based on its signal characteristics and method of generation.
<i>allowed values:</i> Bell Horn Other Submarine Bell			Diaphone Nautophone Radio Tyfon			Explosive No Information Reed Whistle Gong None Siren
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Hydrographic Vertical Positioning Information : Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
	<u>allowed values:</u> False			No Information			True
	Maritime Radiobeacon : Maritime Radiobeacon Type	3	No Information	Enumeration	Unitless	0	The type of an electronic aid to maritime navigation consisting of a radio transmitter that broadcasts distinctive and/or characteristic signals. [Description] For example, a directional radio beacon or a radar marker (RAMARK).
	<u>allowed values:</u> Automated Identification System (AIS) No Information Radar Responder Beacon (RACON)			Circular Radiobeacon Other Radio Direction Finding Station			Directional Radiobeacon QTG Station Rotating Pattern Radiobeacon Long Range Air Navigation System (LORAN) C Radar Marker (RAMARK)
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Offshore Construction Primary Structure	1	No Information	Enumeration	Unitless	0	The type of primary structure of an offshore construction upon which various pieces of operation-specific equipment are affixed.
<i>allowed values:</i> Barge Platform Vessel			Catenary Turntable Submerged Platform			No Information Submerged Turret Other Terminal Buoy
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum No Information			Concrete Other			Iron Steel Metal Treated Timber
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: OffshoreConstruction (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
OffshoreConstruction (Point) - has dataset metadata in - Zero or one - Dataset (Area)
OffshoreConstruction (Point) - has dataset metadata in - Zero or one - Dataset (Table)
OffshoreConstruction (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
OffshoreConstruction (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
OffshoreConstruction (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
OffshoreConstruction (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
OffshoreConstruction (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
OffshoreConstruction (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
OffshoreConstruction (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
OffshoreConstruction (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
OffshoreConstruction (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature Orchard (Area)New ☐ Orchard**A tract covered by systematic plantings of trees that yield fruits (including nuts).**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i>	<i>noInformation</i>					
	Canopy Cover	1	-999999.0	REAL	percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
	<i>allowed values:</i>	<i>-999999.0</i>					
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i>	<i>[-999999, -999999]</i>					
	Crop Information : Crop Species	3	No Information	Enumeration	Unitless	0	The predominant species of a crop land.
	<i>allowed values:</i>	Almond Chestnut Fruit Tree Olive Peach		Apple Citrus Hazelnut Ornamental Crop Walnut		Berry Coconut Maple Other	Carob Date No Information Palmetto
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i>	<i>noInformation</i>					
	Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
	<i>allowed values:</i>	Intermingled Trees No Information Treeless		Intermingled Woods Other Trellised		Irregular Regular	Linear Terraced
New	Feature Code	1	EA040	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	<i>EA040</i>					
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i>	<i>noInformation</i>					
	Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
	<i>allowed values:</i>	Deciduous Other		Evergreen		Mixed	No Information
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	<i>No Information</i>					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i>	<i>No Information</i>					
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Crop Information : Irrigation Method	1	No Information	Enumeration	Unitless	0	The method used to supply crops with water.
<i>allowed values:</i> Center Pivot Linear Move Subirrigation Drip No Information Terrace Furrow Other Lateral Move Overhead						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Predominant Vegetation Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Stem Diameter	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<i>allowed values:</i> [-999999.0, -999999.0]						
Tree Spacing	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
<i>allowed values:</i> [-999999.0, -999999.0]						
Undergrowth Density	1	[-999999.0, -999999.0]	REAL_INTERVAL	Percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Orchard (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Orchard (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Orchard (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Orchard (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Orchard (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Orchard (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Orchard (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Orchard (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Orchard (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Orchard (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Orchard (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Orchard (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature Orchard (Point) New ☐ Orchard

A tract covered by systematic plantings of trees that yield fruits (including nuts).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Canopy Cover	1	-999999.0	REAL	Percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999.0						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Crop Information : Crop Species	3	No Information	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i> Almond Chestnut Fruit Tree Olive Peach			Apple Citrus Hazelnut Ornamental Crop Walnut			Berry Coconut Maple Other Carob Date No Information Palmetto
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New Feature Code	1	EA040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EA040						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.

allowed values: Deciduous Other			Evergreen			Mixed	No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
allowed values: No Information							
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2	
allowed values: No Information			Other				
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.	
allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
allowed values: -999999.0							
Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
allowed values: -999999.0							
Crop Information : Irrigation Method	1	No Information	Enumeration	Unitless	0	The method used to supply crops with water.	
allowed values: Center Pivot Linear Move Subirrigation			Drip No Information Terrace			Furrow Other	Lateral Move Overhead
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
allowed values: -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
allowed values: No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
allowed values: No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
allowed values: False			No Information			True	
Predominant Vegetation Height	1	-999999.0	REAL	Metre	0	The predominant height (the height of at least 50 percent) of the vegetation.	

allowed values: -999999.0

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Stem Diameter	1	[-999999.0, -999999.0]	REAL_Interval	Metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
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allowed values: [-999999.0, -999999.0]

Tree Spacing	1	[-999999.0, -999999.0]	REAL_Interval	Metre	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
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allowed values: [-999999.0, -999999.0]

Undergrowth Density	1	[-999999.0, -999999.0]	REAL_Interval	Percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
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allowed values: [-999999.0, -999999.0]

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
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allowed values: -999999.0

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Orchard (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Orchard (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Orchard (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Orchard (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Orchard (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Orchard (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Orchard (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Orchard (Point) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup)
 Orchard (Point) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 Orchard (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)

Feature OutdoorTheatreScreen (Line)

New ☐ Outdoor Theatre Screen

A large outdoor screen for showing motion pictures.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

<i>allowed values:</i>		Civilian	Joint Military and Civilian		Military		No Information
		Other	Private		Public		
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information							
		Partially Operational	Non-operational Planned		Not in Operation Temporarily Non-operational		Operational
New	Feature Code	1	AK080	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK080							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
			Other				
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>		Conventional	Historical Original		Historical Transliterated		Native Original
		Native Transliterated	No Information		Other		Provisional
		Unverified Original	Unverified Transliterated		Variant Original		Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Thickness	1	-999999.0	REAL	metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
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allowed values: -999999.0

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Relationships: OutdoorTheatreScreen (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 OutdoorTheatreScreen (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 OutdoorTheatreScreen (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 OutdoorTheatreScreen (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 OutdoorTheatreScreen (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 OutdoorTheatreScreen (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 OutdoorTheatreScreen (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 OutdoorTheatreScreen (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 OutdoorTheatreScreen (Line) - is a member of group - Exactly one - RecreationCrv (FeatureGroup)

Feature OutdoorTheatreScreen (Point)

New ☐ Outdoor Theatre Screen

A large outdoor screen for showing motion pictures.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.

<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other						
Joint Military and Civilian Private						
Military Public						
No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational						
Non-operational Planned						
Not in Operation Temporarily Non-operational						
Operational						
New Feature Code	1	AK080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK080						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original						
Historical Original No Information Unverified Transliterated						
Historical Transliterated Other Variant Original						
Native Original Provisional Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Thickness	1	-999999.0	REAL	metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
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allowed values: -999999.0

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Relationships: OutdoorTheatreScreen (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 OutdoorTheatreScreen (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 OutdoorTheatreScreen (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 OutdoorTheatreScreen (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 OutdoorTheatreScreen (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 OutdoorTheatreScreen (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 OutdoorTheatreScreen (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 OutdoorTheatreScreen (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 OutdoorTheatreScreen (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 OutdoorTheatreScreen (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 OutdoorTheatreScreen (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 OutdoorTheatreScreen (Point) - is a member of group - Exactly one - RecreationPnt (FeatureGroup)

Feature OverheadObstruction (Line)

New ☐ Overhead Obstruction

An overhead obstruction (for example: an underpass, an overhead pipeline, and/or the overhang of a building) on a transportation route.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<u>allowed values:</u> Difficult			Easy			Impossible
<u>allowed values:</u> No Information						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.

<i>allowed values:</i> [-999999, -999999]						
Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
<i>allowed values:</i> -999999						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AL155	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL155						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Length	1	-999999.0	Other REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Overhead Clearance	1	-999999.0	REAL	metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> -999999.0						
Overhead Obstruction Type	1	No Information	Enumeration	Unitless	0	The type of an overhead obstruction based on its shape, structure and/or intended use.
<i>allowed values:</i> Arcade Building Conveyor Memorial Monument Overhead Walkway Railway Power Line Traffic Sign						
Arch Bridge Span Building Overhang Entrance and/or Exit No Information Parking Garage Roof Transportation Block						
Bridge Span Cable Frame Bridge Span Non-building Structure Pipeline Route-related Structure Transportation Route Protection Structure						
Bridge Superstructure Cableway Gantry Other Pipeline Crossing Point Scaffold Tunnel						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged No Information						
Destroyed Unmaintained						
Dismantled						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Canal Pedestrian			Inland Waterway Railway			No Information Other Road
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: OverheadObstruction (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 OverheadObstruction (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 OverheadObstruction (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 OverheadObstruction (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 OverheadObstruction (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 OverheadObstruction (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 OverheadObstruction (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 OverheadObstruction (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 OverheadObstruction (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature OverheadObstruction (Point)

New ☐ Overhead Obstruction

An overhead obstruction (for example: an underpass, an overhead pipeline, and/or the overhang of a building) on a transportation route.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<i>allowed values:</i> Difficult Easy Impossible No Information						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
<i>allowed values:</i> -999999						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AL155	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL155						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

New (Location Country) Designation : GENC Short URN-based Identifier		1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2		
<u>allowed values:</u> No Information							Other		
Length		1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.		
<u>allowed values:</u> -999999.0									
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.		
<u>allowed values:</u> No Information									
Overhead Clearance		1	-999999.0	REAL	metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.		
<u>allowed values:</u> -999999.0									
Overhead Obstruction Type		1	No Information	Enumeration	Unitless	0	The type of an overhead obstruction based on its shape, structure and/or intended use.		
<u>allowed values:</u>		Arcade Building Conveyor Memorial Monument Overhead Walkway Railway Power Line Traffic Sign		Arch Bridge Span Building Overhang Entrance and/or Exit No Information Parking Garage Roof Transportation Block		Bridge Span Cable Frame Bridge Span Non-building Structure Pipeline Route-related Structure Transportation Route Protection Structure		Bridge Superstructure Cableway Gantry Other Pipeline Crossing Point Scaffold Tunnel	
Physical Condition		1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.		
<u>allowed values:</u>		Construction Intact		Damaged No Information		Destroyed Unmaintained		Dismantled	
Restriction Information : Security Attributes Group <resource classification>		1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll		
<u>allowed values:</u> U									
Feature Metadata : Process Step Information : Resource Content Originator		1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode		
<u>allowed values:</u> No Information							Other		
Restriction Information : Security Attributes Group <resource dissemination controls>		1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem		

allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
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allowed values: Canal
PedestrianInland Waterway
RailwayNo Information
Road

Other

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: OverheadObstruction (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 OverheadObstruction (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 OverheadObstruction (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 OverheadObstruction (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 OverheadObstruction (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 OverheadObstruction (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 OverheadObstruction (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 OverheadObstruction (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 OverheadObstruction (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature PackIce (Area)

New ☐ Pack Ice

Term used in a wide sense to include any area of sea ice other than fast ice. [Description] Pack ice commonly consists of connected floating plates of ice and has a mosaic look. Fast ice is defined as sea ice which remains fast, generally in the position where originally formed, and which may attain a considerable thickness. Fast ice is found along coasts, where it is attached to the shore, or over shoals, where it may be held in position by islands, grounded icebergs, or grounded polar ice.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BJ070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BJ070						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Seasonal Ice Limit	1	noInformation	StructuredText	Unitless	14	The month of the seasonal limit of the presence of ice that poses a hazard to maritime traffic. [Description] Used to specify the month for which an ice limit line is determined; hazardous ice may be present up to the polar side of the ice limit line. [DatatypeSpecification] A structured text value specifying a month with implied year. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.2.1.3 e, Basic format, as a specific month in the implied year, as '--MM' (for example: '--04' for the month of April).
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).

allowed values: [noInformation](#)*allowed values:* [pimGUID](#)

Relationships: PackIce (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 PackIce (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 PackIce (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 PackIce (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 PackIce (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 PackIce (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 PackIce (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 PackIce (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)
 PackIce (Area) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 PackIce (Area) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 PackIce (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 PackIce (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature PackIce (Line)New ☐ Pack Ice

Term used in a wide sense to include any area of sea ice other than fast ice. [Description] Pack ice commonly consists of connected floating plates of ice and has a mosaic look. Fast ice is defined as sea ice which remains fast, generally in the position where originally formed, and which may attain a considerable thickness. Fast ice is found along coasts, where it is attached to the shore, or over shoals, where it may be held in position by islands, grounded icebergs, or grounded polar ice.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BJ070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BJ070						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
		Other				

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Seasonal Ice Limit	1	noInformation	StructuredText	Unitless	14	The month of the seasonal limit of the presence of ice that poses a hazard to maritime traffic. [Description] Used to specify the month for which an ice limit line is determined; hazardous ice may be present up to the polar side of the ice limit line. [DatatypeSpecification] A structured text value specifying a month with implied year. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.2.1.3 e, Basic format, as a specific month in the implied year, as '--MM' (for example: '--04' for the month of April).
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: PackIce (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 PackIce (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 PackIce (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 PackIce (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 PackIce (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 PackIce (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 PackIce (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 PackIce (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)
 PackIce (Line) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 PackIce (Line) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 PackIce (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 PackIce (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Park (Area)

New ☐ Park

An area of defined limits which is set aside for human recreation and enjoyment and/or for historic preservation purposes, and is usually maintained in a natural, semi-natural, or ornamentally planted state. [Description] Parks may be in urban areas such as Central Park in New York City or in less developed areas such as Poplar Forest in Forest, Virginia, where Thomas Jefferson's plantation and plantation house are located.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Administrative Division	1	No Information	Enumeration	Unitless	0	The nature of an administrative division as established by an international body (for example: the United Nations), a supranational body (for example: the European Union), a State (for example: France), or a similar entity (for example: the Vatican) or organization (for example: the International Hydrographic Organization).
<i>allowed values:</i> Local Other			Municipal Subnational			National No Information
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AK120	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AK120						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
	<i>allowed values:</i> At Shoreline			Inland			No Information Offshore
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False True						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Park (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Park (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Park (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Park (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Park (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Park (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Park (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Park (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Park (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Park (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Park (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Park (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature ParkingGarage (Area)New ☐ Parking Garage**A designated, multi-level, structure used for parking and/or storing vehicles. [Description] May be present as part of a building or as a separate structure.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False						
No Information						
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AQ141	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ141						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Emergency Operations Motor Vehicle Repair Road Transport			Meeting Place No Information Stop			Motor Vehicle Parking Other Warehousing and Storage Motor Vehicle Rental Petrol Sale
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Floor Count	1	-999999	Integer	Unitless	0	The number of floors in a structure (for example: a building).
	<i>allowed values:</i> -999999						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
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allowed values: False

No Information

True

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<u>allowed values:</u>						
Conical			Domed			Flat
No Information			Other			Pitched
Pyramidal			Sawtoothed			Semi-cylindrical
						Flat with Clerestory
						Pitched with Clerestory
						With Clerestory

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*

allowed values: *pimGUID*

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: *noInformation*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: ParkingGarage (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ParkingGarage (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ParkingGarage (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ParkingGarage (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ParkingGarage (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ParkingGarage (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ParkingGarage (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ParkingGarage (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ParkingGarage (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ParkingGarage (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ParkingGarage (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature ParkingGarage (Point)

New ☐ Parking Garage

A designated, multi-level, structure used for parking and/or storing vehicles. [Description] May be present as part of a building or as a separate structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ141	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ141						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Emergency Operations Motor Vehicle Repair Road Transport			Meeting Place No Information Stop			Motor Vehicle Parking Other Warehousing and Storage Motor Vehicle Rental Petrol Sale
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Floor Count	1	-999999	Integer	Unitless	0	The number of floors in a structure (for example: a building).
<i>allowed values:</i> -999999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<u>allowed values:</u> False			No Information			True
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal						Domed Other Sawtoothed
						Flat Pitched Semi-cylindrical
						Flat with Clerestory Pitched with Clerestory With Clerestory

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: *pimGUID*

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<u>allowed values:</u> <i>noInformation</i>						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: *-999999.0*

Relationships: ParkingGarage (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ParkingGarage (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 ParkingGarage (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 ParkingGarage (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ParkingGarage (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ParkingGarage (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ParkingGarage (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ParkingGarage (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ParkingGarage (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ParkingGarage (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ParkingGarage (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ParkingGarage (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature ParticleAccelerator (Area)New ☐ Particle Accelerator**An apparatus for imparting high velocities to charged particles.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> <i>[-999999, -999999]</i>						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> <i>No Information</i>			Non-operational		Not in Operation	
Partially Operational			Planned		Temporarily Non-operational	
New Feature Code	1	AL140	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> <i>AL140</i>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> <i>noInformation</i>						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode

<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: ParticleAccelerator (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ParticleAccelerator (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ParticleAccelerator (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ParticleAccelerator (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ParticleAccelerator (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ParticleAccelerator (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ParticleAccelerator (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ParticleAccelerator (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ParticleAccelerator (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ParticleAccelerator (Area) - is a member of group - Exactly one - StructureSrf (FeatureGroup)

Feature ParticleAccelerator (Line)New ☐ Particle Accelerator**An apparatus for imparting high velocities to charged particles.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL140	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL140						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumlSMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: ParticleAccelerator (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
ParticleAccelerator (Line) - has dataset metadata in - Zero or one - Dataset (Area)
ParticleAccelerator (Line) - has dataset metadata in - Zero or one - Dataset (Table)
ParticleAccelerator (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
ParticleAccelerator (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
ParticleAccelerator (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
ParticleAccelerator (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
ParticleAccelerator (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
ParticleAccelerator (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
ParticleAccelerator (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
ParticleAccelerator (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
ParticleAccelerator (Line) - is a member of group - Exactly one - StructureCrv (FeatureGroup)

Feature ParticleAccelerator (Point)

New ☐ Particle Accelerator

An apparatus for imparting high velocities to charged particles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.

allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AL140	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL140						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: ParticleAccelerator (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
ParticleAccelerator (Point) - has dataset metadata in - Zero or one - Dataset (Area)
ParticleAccelerator (Point) - has dataset metadata in - Zero or one - Dataset (Table)
ParticleAccelerator (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
ParticleAccelerator (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
ParticleAccelerator (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
ParticleAccelerator (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
ParticleAccelerator (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)
ParticleAccelerator (Point) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
ParticleAccelerator (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)

Feature Penstock (Line)

New ☐ Penstock

A pipeline that is used by hydroelectric plants to transport water by gravity from a reservoir to the turbine(s).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
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allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New Feature Metadata : Cartographic Usability Range

allowed values: [-999999, -999999]

Diameter	1	-999999.0	REAL	metre	0	The dimension of a circular, cylindrical, or spherical feature taken from boundary to boundary along a straight line passing through its centre.
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allowed values: -999999.0

New External Links

allowed values: noInformation

Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
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allowed values: No Information
Partially Operational

Non-operational
Planned

Not in Operation
Temporarily Non-operational

Operational

New Feature Code

1 BH110 CONSTRAINED_STRING

Unitless 5 Feature Code

<i>allowed values:</i> BH110							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False							
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact							
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U							
<i>allowed values:</i> Damaged No Information							
<i>allowed values:</i> Destroyed Unmaintained							
<i>allowed values:</i> Dismantled							

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Above Surface			Below Ground Surface			No Information On Surface

Relationships: Penstock (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Penstock (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Penstock (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Penstock (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Penstock (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Penstock (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Penstock (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Penstock (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Penstock (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Penstock (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Penstock (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Penstock (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)

Feature PicnicSite (Area) New ☐ Picnic Site

A site that has been set aside for picnics. [Description] It may have picnic tables for public use.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK061	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK061						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2

allowed values: No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
allowed values: Construction Intact			Damaged No Information			Destroyed Unmaintained
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
allowed values: U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values: No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
allowed values: noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC

allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation**allowed values:* *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: PicnicSite (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 PicnicSite (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 PicnicSite (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 PicnicSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 PicnicSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 PicnicSite (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 PicnicSite (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 PicnicSite (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 PicnicSite (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature Pipeline (Line)

New ☐ Pipeline

A connected set of pipes for conveying liquids, slurries, or gases. [Description] Usually for long distances and often located underground.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.

allowed values: *-999999.0*

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999.0						
	Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
	<i>allowed values:</i> False			No Information			True
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
	Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
	<i>allowed values:</i> -999999						
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
	Diameter	1	-999999.0	REAL	metre	0	The dimension of a circular, cylindrical, or spherical feature taken from boundary to boundary along a straight line passing through its centre.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AQ113	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ113						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						

Floating	1	No Information	Boolean	Unitless	0	An indication that an object is floating.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Linear Feature Arrangement	1	No Information	Enumeration	Unitless	0	The arrangement of parallel linear features on a single support structure including both directions (if applicable). [Description] For example, two railways sharing a single roadbed.
<i>allowed values:</i> Double Arrangement Single Arrangement			Multiple Arrangements			No Information Other
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Parallel Line Count	1	-999999	Integer	unitless	0	The total number of nominally parallel lines within the feature.
<i>allowed values:</i> -999999						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged			Destroyed Dismantled
Pipeline Type	3	No Information	Enumeration	Unitless	0	The type of a pipeline or pipeline-associated equipment based on structure and/or intended use(s).
<i>allowed values:</i> Bubbler System Outfall Pipe			Intake Pipe Pipeline Valve			No Information Other Sewer Transport Pipe
Predominant Average Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Chemical Other Water			Gas Petrol			Heating Steam and/or Water Petroleum No Information Sewage
New Pump Present	1	No Information	Boolean	Unitless	0	An indication that a feature supports, contains, or makes use of one or more pumps.
<i>allowed values:</i> False			No Information			True
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed			Level			No Information Raised
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Aluminum Lead Other Steel			Concrete Masonry Plastic Wood			Copper Metal Prestressed Concrete Iron No Information Reinforced Concrete
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						

Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Above Surface No Information			Above Waterbody Bottom On Surface			Below Ground Surface Below Waterbody Bottom
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated			No Information			Other Treatable
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational
Waterbody Overhead Obstruction	1	No Information	Boolean	Unitless	0	An indication that an object is an overhead obstruction over a navigable waterbody.
<i>allowed values:</i> False			No Information			True

Relationships: Pipeline (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Pipeline (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Pipeline (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Pipeline (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Pipeline (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Pipeline (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Pipeline (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Pipeline (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Pipeline (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Pipeline (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Pipeline (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Pipeline (Line) - is a member of group - Exactly one - UtilityInfrastructureCrv (FeatureGroup)

Feature PipelineAON (Area)New ☒ Pipeline Area of Numerous**Area of numerous connected sets of pipes for conveying liquids, slurries, or gases.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
<i>allowed values:</i> -999999						

	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<u>allowed values:</u> -999999.0						
	Diameter	1	-999999.0	REAL	metre	0	The dimension of a circular, cylindrical, or spherical feature taken from boundary to boundary along a straight line passing through its centre.
	<u>allowed values:</u> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	NU113	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> NU113						
	Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.
	<u>allowed values:</u> -999999						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Floating	1	No Information	Boolean	Unitless	0	An indication that an object is floating.
	<u>allowed values:</u> False			No Information			True
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999.0						
Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<u>allowed values:</u> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0						
Linear Feature Arrangement	1	No Information	Enumeration	Unitless	0	The arrangement of parallel linear features on a single support structure including both directions (if applicable). [Description] For example, two railways sharing a single roadbed.
<u>allowed values:</u> Double Arrangement Single Arrangement			Multiple Arrangements		No Information	Other
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information		True	
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> -999999.0						
Parallel Line Count	1	-999999	Integer	unitless	0	The total number of nominally parallel lines within the feature.
<u>allowed values:</u> -999999						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.

<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled
Pipeline Type	3	No Information	Enumeration	Unitless	0	The type of a pipeline or pipeline-associated equipment based on structure and/or intended use(s).	
<i>allowed values:</i>	Intake Pipe Transport Pipe		No Information			Other	Outfall Pipe
Predominant Average Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.	
<i>allowed values:</i>	-999999.0						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.	
<i>allowed values:</i>	Chemical Other Water		Gas Petrol			Heating Steam and/or Water Petroleum	No Information Sewage
New Pump Present	1	No Information	Boolean	Unitless	0	An indication that a feature supports, contains, or makes use of one or more pumps.	
<i>allowed values:</i>	False		No Information			True	
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).	
<i>allowed values:</i>	Depressed		Level			No Information	Raised
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll	
<i>allowed values:</i>	U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i>	No Information		Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem	
<i>allowed values:</i>	noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC	
<i>allowed values:</i>	noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer	
<i>allowed values:</i>	noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Aluminum Lead Other Steel			Concrete Masonry Plastic Wood			Copper Metal Prestressed Concrete Iron No Information Reinforced Concrete
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Above Surface No Information			Above Waterbody Bottom On Surface			Below Ground Surface On Waterbody Bottom Below Waterbody Bottom
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						

Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated			No Information			Other Treatable
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational
Waterbody Overhead Obstruction	1	No Information	Boolean	Unitless	0	An indication that an object is an overhead obstruction over a navigable waterbody.
<i>allowed values:</i> False			No Information			True

Relationships: PipelineAON (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 PipelineAON (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 PipelineAON (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 PipelineAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 PipelineAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 PipelineAON (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 PipelineAON (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 PipelineAON (Area) - is a member of group - Exactly one - UtilityInfrastructureAON (FeatureGroup)
 PipelineAON (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)

Feature PipelineCrossingPoint (Point)

New ☐ Pipeline Crossing Point

A traversable site extending across a pipeline that acts as a passageway for cross-country movement of vehicles or troops.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AL165	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL165						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: PipelineCrossingPoint (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 PipelineCrossingPoint (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 PipelineCrossingPoint (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 PipelineCrossingPoint (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 PipelineCrossingPoint (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 PipelineCrossingPoint (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 PipelineCrossingPoint (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 PipelineCrossingPoint (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 PipelineCrossingPoint (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 PipelineCrossingPoint (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 PipelineCrossingPoint (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 PipelineCrossingPoint (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature PlantNursery (Area)New ☐ Plant Nursery

A tract where plants (for example: shrubs, flowers, and/or trees) are grown for transplanting, seed, and/or grafting.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Crop Information : Crop Species	1	No Information	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i> Bamboo Fruit Tree Palmetto			Banana No Information Rubber			Coffee Oil Palm Cotton Other
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New Feature Code	1	EA030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EA030						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<i>allowed values:</i> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information			Other			
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
	<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: PlantNursery (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 PlantNursery (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 PlantNursery (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 PlantNursery (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 PlantNursery (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 PlantNursery (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 PlantNursery (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 PlantNursery (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 PlantNursery (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 PlantNursery (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 PlantNursery (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 PlantNursery (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature PolarIce (Area)New ☐ Polar Ice

Sea ice that is more than one year old and more than 3 metres thick. [Description] Sea ice is any form of ice which has originated from sea water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BJ080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BJ080						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional	Historical Original	Native Transliterated	No Information	Other	Variant Original	Native Original	Provisional	Variant Transliterated
	Unverified Original	Unverified Transliterated							
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.			
<i>allowed values:</i> -999999.0									
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.			
<i>allowed values:</i> -999999.0									
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.			
<i>allowed values:</i> -999999.0									
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.			
<i>allowed values:</i> No Information									
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.			
<i>allowed values:</i> No Information									
Predominant Feature Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).			
<i>allowed values:</i> -999999.0									
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll			
<i>allowed values:</i> U									
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode			
<i>allowed values:</i> No Information									
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem			
<i>allowed values:</i> noInformation									

	Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
	<i>allowed values:</i> noInformation						
	Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer
	<i>allowed values:</i> noInformation						
	Seasonal Ice Limit	1	noInformation	StructuredText	Unitless	14	The month of the seasonal limit of the presence of ice that poses a hazard to maritime traffic. [Description] Used to specify the month for which an ice limit line is determined; hazardous ice may be present up to the polar side of the ice limit line. [DatatypeSpecification] A structured text value specifying a month with implied year. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, 5.2.1.3 e, Basic format, as a specific month in the implied year, as '--MM' (for example: '--04' for the month of April).
	<i>allowed values:</i> noInformation						
New	Snow or Ice Depth	1	[-999999.0, -999999.0]	REAL_Interval	Metre	0	The depth of the snow or ice. [Description] The snow or ice layer ranges from the top of the snow or ice surface to the underlying terrain.
	<i>allowed values:</i> [-999999.0, -999999.0]						
	Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
	<i>allowed values:</i> noInformation						
	Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
	<i>allowed values:</i> noInformation						
	<i>allowed values:</i> pimGUID						
	Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						

Relationships: PolarIce (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 PolarIce (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 PolarIce (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 PolarIce (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 PolarIce (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 PolarIce (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 PolarIce (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 PolarIce (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 PolarIce (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 PolarIce (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 PolarIce (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 PolarIce (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature Port (Area)New ☐ Port

A place provided with terminal and transfer facilities for loading and/or discharging cargo or passengers, usually located in a harbour. [Description] A port and its related waters together comprise a harbour.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse No Information Scrap-metal
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB009	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB009						

Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i>						<ul style="list-style-type: none"> Air Transport Defence Activities Harbour Control Inspection Station Meeting Place Pipeline Transport Security Services Warehousing and Storage
						<ul style="list-style-type: none"> Canal Transport Embassy Immigration Control Law Enforcement No Information Port Control Ship Construction Water Transport
						<ul style="list-style-type: none"> Cargo Handling Emergency Operations Inland Waters Transport Maritime Defense Other Railway Transport Ship Repair Yacht-club
						<ul style="list-style-type: none"> Customs Checkpoint Emergency Relief Services Inspection Maritime Pilotage Pilot Station Road Freight Transport Transfer Hub
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i>						noInformation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>						No Information
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i>						No Information
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		Other
<i>allowed values:</i>						<ul style="list-style-type: none"> Conventional Native Transliterated Unverified Original
						<ul style="list-style-type: none"> Historical Original No Information Unverified Transliterated
						<ul style="list-style-type: none"> Historical Transliterated Other Variant Original
						<ul style="list-style-type: none"> Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>						-999999.0
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>						-999999.0
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>						-999999.0
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>						No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc			Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water			Ammunition Asphalt Brick Cement Coal Coffee Copper Consumer Goods Copper Electric Power Electrical Equipment Fish Fertilizer Fruit Frozen Water Gold Heating Steam and/or Water Lead Lime Lumber Manganese Milled Grain Motor Vehicle No Product Non-solid Hydrocarbon Fuel Other Paper Petroleum and/or Natural Gas Plastic Prestressed Concrete Rubber Salt Snow Steel Tobacco Uranium Vegetation Whale Products Wine
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood			Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc			Bauxite Cement Coal Coke Glass Lead Metal No Information Ore Other Plant Material Plastic Sewage Silver Textile Vegetation Water
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
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allowed values: False

No Information

True

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

World Port Index Identifier	1	No Information	String	Unitless	14	The unique identifier element in the NGA World Port Index (Publication 150). [Description] The World Port Index lists all of the major shipping ports in the world, giving all the information (for example: latitude and longitude, facilities information, tidal data, and customs information) that a ship captain might need to prepare for a visit.
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allowed values: No Information

Relationships: Port (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Port (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Port (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Port (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Port (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Port (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Port (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Port (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Port (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Port (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Port (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Port (Area) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup)

Feature Port (Point)

New ☐ Port

A place provided with terminal and transfer facilities for loading and/or discharging cargo or passengers, usually located in a harbour. [Description] A port and its related waters together comprise a harbour.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse No Information Scrap-metal
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	BB009	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	BB009					
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i>	Air Transport Defence Activities Harbour Control Inspection Station Meeting Place Pipeline Transport Security Services Warehousing and Storage Canal Transport Embassy Immigration Control Law Enforcement No Information Port Control Ship Construction Water Transport Cargo Handling Emergency Operations Inland Waters Transport Maritime Defense Other Railway Transport Ship Repair Yacht-club Customs Checkpoint Emergency Relief Services Inspection Maritime Pilotage Pilot Station Road Freight Transport Transfer Hub					
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i>	noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i>	No Information					
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Native Transliterated Unverified Original Historical Original No Information Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated					
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999.0					
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999.0					

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc			Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water		Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Other Petroleum Plastic Rubber Snow Tobacco Whale Products	
					Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine	
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood			Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc		Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	
					Cement Coke Glass Lead No Information Other Plastic Silver Textile Water	

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
<i>allowed values:</i> False			No Information			True
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

World Port Index Identifier	1	No Information	String	Unitless	14	The unique identifier element in the NGA World Port Index (Publication 150). [Description] The World Port Index lists all of the major shipping ports in the world, giving all the information (for example: latitude and longitude, facilities information, tidal data, and customs information) that a ship captain might need to prepare for a visit.
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allowed values: No Information

Relationships: Port (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Port (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Port (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Port (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Port (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Port (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Port (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Port (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Port (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Port (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Port (Point) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup)

Feature PowerSubstation (Area)

New ☐ Power Substation

A facility, along a power transmission line, in which electric current is switched, transformed, and/or converted.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AD030	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AD030						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>		Other				
	Conventional		Historical Original		Historical Transliterated		Native Original
	Native Transliterated		No Information		Other		Provisional
	Unverified Original		Unverified Transliterated		Variant Original		Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False		No Information		True		

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ' ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Substation Type	3	No Information	Enumeration	Unitless	0	The type of an electricity distribution substation based on its function(s).
<i>allowed values:</i>	Converter Substation Transformer Substation		No Information			Other Switched Substation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Metal Reinforced Concrete						
Brick No Information Steel						
Concrete Other Stone						
Masonry Prestressed Concrete Wood						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: PowerSubstation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
PowerSubstation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
PowerSubstation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
PowerSubstation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
PowerSubstation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
PowerSubstation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
PowerSubstation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
PowerSubstation (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
PowerSubstation (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
PowerSubstation (Area) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup)

Feature PowerSubstation (Point)New ☐ Power Substation**A facility, along a power transmission line, in which electric current is switched, transformed, and/or converted.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AD030	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AD030						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
Substation Type	3	No Information	Enumeration	Unitless	0	The type of an electricity distribution substation based on its function(s).
<i>allowed values:</i> <i>noInformation</i> <i>allowed values:</i> Converter Substation Transformer Substation No Information Other Switched Substation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> <i>noInformation</i> <i>allowed values:</i> <i>pimGUID</i>						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Metal Reinforced Concrete Brick No Information Steel Concrete Other Stone Masonry Prestressed Concrete Wood						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: PowerSubstation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
PowerSubstation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
PowerSubstation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
PowerSubstation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
PowerSubstation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
PowerSubstation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
PowerSubstation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
PowerSubstation (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
PowerSubstation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
PowerSubstation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
PowerSubstation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
PowerSubstation (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature PreparedWatercourseCross (Point)

New ☐ Prepared Watercourse Crossing

A location on a watercourse that has ramps, structural piles, and/or piers constructed on one or both shores to allow for suitable future crossing operations using floating bridges or rafting equipment. [Description] For example, a prepared float bridge site or a prepared raft site.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ111	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> AQ111
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set. <i>allowed values:</i> noInformation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end. <i>allowed values:</i> No Information
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2 <i>allowed values:</i> No Information Other
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status. <i>allowed values:</i> Conventional Native Transliterated Unverified Original Historical Original No Information Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: PreparedWatercourseCross (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 PreparedWatercourseCross (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 PreparedWatercourseCross (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 PreparedWatercourseCross (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 PreparedWatercourseCross (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 PreparedWatercourseCross (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 PreparedWatercourseCross (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 PreparedWatercourseCross (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 PreparedWatercourseCross (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 PreparedWatercourseCross (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 PreparedWatercourseCross (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 PreparedWatercourseCross (Point) - is a member of group - Exactly one - TransportationWaterPnt (FeatureGroup)

Feature PublicSquare (Area)

New ☐ Public Square

An open site that serves as a public meeting location in a built-up area.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.

allowed values: No Information

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information			Non-operational Planned		Not in Operation Temporarily Non-operational	
Partially Operational					Operational	
New Feature Code	1	AL170	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL170						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	
					Native Original Provisional Variant Transliterated	
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: PublicSquare (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 PublicSquare (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 PublicSquare (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 PublicSquare (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 PublicSquare (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 PublicSquare (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 PublicSquare (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 PublicSquare (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 PublicSquare (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 PublicSquare (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature PublicSquare (Point)

New ☐ Public Square

An open site that serves as a public meeting location in a built-up area.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL170	CONSTRAINED_STRING	Unitless	5	Feature Code

allowed values: <i>AL170</i>							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
allowed values: <i>noInformation</i>							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: <i>No Information</i>							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: <i>No Information</i>							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: <i>Conventional Native Transliterated Unverified Original</i>				<i>Historical Original No Information Unverified Transliterated</i>	<i>Historical Transliterated Other Variant Original</i>	<i>Native Original Provisional Variant Transliterated</i>	
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: <i>-999999.0</i>							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: <i>No Information</i>							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: <i>No Information</i>							
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
allowed values: <i>Construction Intact</i>				<i>Damaged No Information</i>	<i>Destroyed Unmaintained</i>	<i>Dismantled</i>	
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
allowed values: <i>U</i>							

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: PublicSquare (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 PublicSquare (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 PublicSquare (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 PublicSquare (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 PublicSquare (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 PublicSquare (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 PublicSquare (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 PublicSquare (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 PublicSquare (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 PublicSquare (Point) - is a member of group - Exactly one - RecreationPnt (FeatureGroup)

Feature Pump (Point)

New ☒ Pump

A device designed to move liquid or semi-liquid content, especially through pipelines or facilities.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other Regional			Joint Military and Civilian Private			Military Province No Information Public
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
	<i>allowed values:</i> Compressed Air No Information Steam			Electricity Other			Gravity Petroleum Product Manual Solar
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
	<i>allowed values:</i> Above Surface On Waterbody Bottom			Below Ground Surface Other			No Information Submerged On Surface
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	T0181	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> T0181						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
New	<u>allowed values:</u> noInformation (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<u>allowed values:</u> False			No Information			True
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
	<u>allowed values:</u> Airlift No Information Turbine			Centrifugal Other Vacuum			Gravity Reciprocating Jet Rotary
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information						

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Relationships: Pump (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Pump (Point) - has dataset metadata in - Zero or one - Dataset (Area)
Pump (Point) - has dataset metadata in - Zero or one - Dataset (Table)
Pump (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Pump (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Pump (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Pump (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Pump (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)
Pump (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
Pump (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature PumpingStation (Area)

New ☐ Pumping Station

A facility to move solids, liquids or gases by means of pressure or suction.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.

<i>allowed values:</i> Compressed Air No Information Steam		Electricity Other		Gravity Petroleum Product		Manual Solar	
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
<i>allowed values:</i> Above Surface On Waterbody Bottom		Below Ground Surface Other		No Information Submerged		On Surface	
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	AQ116	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ116							
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> No Information Pipeline Transport		Other Solid Mineral Fuel Mining		Petroleum and/or Gas Extraction Utilities		Petroleum Refining	
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information		Other					
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information		True	
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	
Predominant Maximum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Chemical Petrol			Gas Petroleum		No Information Sewage	
					Other Water	
New Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
<i>allowed values:</i> Airlift No Information Turbine			Centrifugal Other Vacuum		Gravity Reciprocating	
					Jet Rotary	

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Brick Concrete Iron						
Masonry Metal No Information Other						
Prestressed Concrete Reinforced Concrete Steel Stone						
Wood						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Cubic Metres per Second	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated No Information Nonpotable Other						
Potable Treatable						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Brackish Brine Fresh						
Mineral No Information Not Applicable Other						
Saline Seawater						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Commercial Domestic Irrigation Industrial						
Institutional Livestock Military Municipal						
No Information Other Power Generation Recreational						
Sanitary Domestic						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: PumpingStation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
PumpingStation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
PumpingStation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
PumpingStation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
PumpingStation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
PumpingStation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
PumpingStation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
PumpingStation (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
PumpingStation (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
PumpingStation (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
PumpingStation (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
PumpingStation (Area) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup)

Feature PumpingStation (Point)New ☐ Pumping Station**A facility to move solids, liquids or gases by means of pressure or suction.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information

	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
	<i>allowed values:</i> Compressed Air No Information Steam			Electricity Other		Gravity Petroleum Product	Manual Solar
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
	<i>allowed values:</i> Above Surface On Waterbody Bottom			Below Ground Surface Other		No Information Submerged	On Surface
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AQ116	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ116						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> No Information Pipeline Transport			Other Solid Mineral Fuel Mining		Petroleum and/or Gas Extraction Utilities	Petroleum Refining
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional	Native Transliterated	Unverified Original	Historical Original	No Information	Unverified Transliterated	Historical Transliterated	Other	Variant Original	Native Original	Provisional	Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.						
<i>allowed values:</i>	<i>-999999.0</i>											
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.						
<i>allowed values:</i>	<i>-999999.0</i>											
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.						
<i>allowed values:</i>	<i>-999999.0</i>											
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.						
<i>allowed values:</i>	<i>False</i>			No Information			<i>True</i>					
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.						
<i>allowed values:</i>	<i>-999999.0</i>											
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.						
<i>allowed values:</i>	No Information											
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.						
<i>allowed values:</i>	No Information											
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.						
<i>allowed values:</i>	<i>False</i>			No Information			<i>True</i>					
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).						
<i>allowed values:</i>	<i>-999999.0</i>											
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.						
<i>allowed values:</i>	<i>-999999.0</i>											
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.						
<i>allowed values:</i>	Construction Intact		Damaged		No Information		Destroyed Unmaintained		Dismantled			
Predominant Maximum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.						
<i>allowed values:</i>	<i>-999999.0</i>											

	Predominant Minimum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
	<i>allowed values:</i>	-999999.0					
	Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
	<i>allowed values:</i>	Chemical Petrol		Gas Petroleum		No Information Sewage	Other Water
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
	<i>allowed values:</i>	Airlift No Information Turbine		Centrifugal Other Vacuum		Gravity Reciprocating	Jet Rotary
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
	<i>allowed values:</i>	U					
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i>	No Information		Other			
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
	<i>allowed values:</i>	noInformation					
	Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIntC
	<i>allowed values:</i>	noInformation					
	Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
	<i>allowed values:</i>	noInformation					
	Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
	<i>allowed values:</i>	noInformation					

Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Brick Concrete Iron Masonry Metal No Information Other Prestressed Concrete Reinforced Concrete Steel Stone Wood						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Cubic Metres per Second	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated No Information Nonpotable Other Potable Treatable						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Brackish Brine Fresh Mineral No Information Not Applicable Other Saline Seawater						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Commercial Domestic Irrigation Industrial Institutional Livestock Military Municipal No Information Other Power Generation Recreational Sanitary Domestic						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: PumpingStation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
PumpingStation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
PumpingStation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
PumpingStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
PumpingStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
PumpingStation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
PumpingStation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
PumpingStation (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
PumpingStation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
PumpingStation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
PumpingStation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
PumpingStation (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature PumpingStationAON (Area)

New ☒ Pumping Station Area of Numerous

Area of numerous facilities to move solids, liquids or gases by means of pressure or suction.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

<i>allowed values:</i> Civilian Other		Joint Military and Civilian Private		Military Public		No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
<i>allowed values:</i> Compressed Air No Information Steam		Electricity Other		Gravity Petroleum Product		Manual Solar
New Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
<i>allowed values:</i> Above Surface On Waterbody Bottom		Below Ground Surface Other		No Information Submerged		On Surface
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational
New Feature Code	1	NU116	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> NU116						
Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.
<i>allowed values:</i> -999999						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> No Information Pipeline Transport		Other Solid Mineral Fuel Mining		Petroleum and/or Gas Extraction Utilities		Petroleum Refining
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
	<u>allowed values:</u> False			No Information			True
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999.0						

Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Predominant Maximum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Chemical Petrol Gas Petroleum No Information Sewage Other Water						
New Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
<i>allowed values:</i> Airlift No Information Turbine Centrifugal Other Vacuum Gravity Reciprocating Jet Rotary						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Masonry Prestressed Concrete Wood			Brick Metal Reinforced Concrete			Concrete No Information Steel Iron Other Stone
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Cubic Metres per Second	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						

Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i>	Contaminated Potable		No Information Treatable			Nonpotable Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i>	Alkaline Mineral Saline		Brackish No Information Seawater			Brine <i>Not Applicable</i> Fresh Other
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i>	Agricultural Irrigation Institutional No Information Sanitary Domestic		Commercial Livestock Other			Domestic Irrigation <i>Military</i> Power Generation Industrial Municipal Recreational
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: PumpingStationAON (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
PumpingStationAON (Area) - has dataset metadata in - Zero or one - Dataset (Area)
PumpingStationAON (Area) - has dataset metadata in - Zero or one - Dataset (Table)
PumpingStationAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
PumpingStationAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
PumpingStationAON (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
PumpingStationAON (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
PumpingStationAON (Area) - is a member of group - Exactly one - UtilityInfrastructureAON (FeatureGroup)
PumpingStationAON (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)

Feature Pylon (Point)

New ☐ Pylon

A pylon or pole used to support one or more cables.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i>	<i>False</i>		No Information			<i>True</i>
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i>	-999999.0					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
Cable : Cable Type	3	No Information	Enumeration	Unitless	0	The type of a cable based on its use.

<i>allowed values:</i> Barrier		Cableway		Communication Line		Digital Communication Line	
Fibre-optic		Guide		Load Bearing		No Information	
Other		Power Distribution Line		Power Transmission Line		Restraining	
Telegraph		Telephone		Tethering		Towing	
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]							
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian		Joint Military and Civilian		Military		No Information	
Other		Private		Public			
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
New	Feature Code	1	AT042	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AT042							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information		Other					
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional		Historical Original		Historical Transliterated		Native Original	
Native Transliterated		No Information		Other		Provisional	
Unverified Original		Unverified Transliterated		Variant Original		Variant Transliterated	
	Pylon Information : Guyed	1	No Information	Boolean	Unitless	0	An indication that an object is guided, secured, or steadied by guy wires.
<i>allowed values:</i> False		No Information		True			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
<i>allowed values:</i> Destroyed						
Dismantled						
Unmaintained						
Pylon Information : Pylon Configuration	1	No Information	Enumeration	Unitless	0	The configuration of a pylon or pole.
<i>allowed values:</i> 'A'						
Other						
'H'						
'I'						
No Information						
'T'						
'Y'						
Pylon Information : Pylon Material	1	No Information	Enumeration	Unitless	0	The primary type of material composing a pylon. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Aluminum						
Masonry						
Steel						
Concrete						
Metal						
Wood						
Fibreglass						
Iron						
No Information						
Other						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Pylon Information : Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
<i>allowed values:</i> Mast Tripod			No Information Truss			Other Tubular Pole
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Pylon (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Pylon (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Pylon (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Pylon (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Pylon (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Pylon (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Pylon (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Pylon (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Pylon (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Pylon (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Pylon (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Pylon (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature QanatShaft (Point)New ☐ Qanat Shaft

A vertical shaft that provides access to an underground aqueduct and which is part of a qanat system. [Description] A qanat system consists a system of deep underground tunnels especially constructed to channel water from an uphill region to a dryer lower region for use (for example: a village, a garden, a crop land), and qanat shafts to provide access from the surface to the underground tunnels.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Aqueduct : Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						

	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BH012	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH012						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Dismantled Unmaintained						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem

allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
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allowed values: *-999999.0*

Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
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allowed values: *-999999.0*

Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
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allowed values: *-999999.0*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
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allowed values: *-999999.0*

Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
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allowed values: *-999999.0*

Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
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allowed values: Contaminated
PotableNo Information
Treatable

Nonpotable

Other

Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i>	Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable	Fresh Other
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: QanatShaft (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 QanatShaft (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 QanatShaft (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 QanatShaft (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 QanatShaft (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 QanatShaft (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 QanatShaft (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 QanatShaft (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 QanatShaft (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 QanatShaft (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 QanatShaft (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature Racetrack (Area)

New ☐ Racetrack

A ground or tract marked out for racing. [Description] The track may be banked to facilitate high-speed racing, either by grading of the terrain or the use of structures. The bank angle may exceed 30 arc degrees and such structures can reach significant heights.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i>	No Information					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	[-999999, -999999]					
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i>	noInformation					
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK130	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	AK130					

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Racetrack (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Racetrack (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Racetrack (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Racetrack (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Racetrack (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Racetrack (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Racetrack (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Racetrack (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Racetrack (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature Racetrack (Line)

New ☐ Racetrack

A ground or tract marked out for racing. [Description] The track may be banked to facilitate high-speed racing, either by grading of the terrain or the use of structures. The bank angle may exceed 30 arc degrees and such structures can reach significant heights.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK130	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK130						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Racetrack (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Racetrack (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Racetrack (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Racetrack (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Racetrack (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Racetrack (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Racetrack (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Racetrack (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Racetrack (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Racetrack (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Racetrack (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Racetrack (Line) - is a member of group - Exactly one - RecreationCrv (FeatureGroup)

Feature RadarStation (Area)New ☐ Radar Station

A facility utilizing radar to detect and analyze objects (for example: aircraft, artificial satellites, asteroids, and/or missiles) and/or environmental phenomena (for example: tornadoes). [Description] May include both a radar aerial as well as a structure housing radar equipment.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AT045	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AT045						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Air Transport No Information			Defence Activities Other			Government Weather Station Maritime Defense

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Other							
Historical Original							
Historical Transliterated							
Native Original							
Other							
Provisional							
Variant Original							
Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<u>allowed values:</u> Air Force Marines							
Army Navy							
Coastguard							
No Information							
Joint							
Other							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.

<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Radar Station Function	1	No Information	Enumeration	Unitless	0	The primary purpose served by a radar station.
<i>allowed values:</i> Aerodrome Ground Surveillance Fire Control Tracking Other			Aircraft Flight Tracking General Surveillance Precision Approach			Coastal Radar Launch Control Tracking Satellite Tracking Early Warning No Information Weather
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> <i>U</i>						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> <i>noInformation</i>						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: RadarStation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RadarStation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 RadarStation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 RadarStation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RadarStation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RadarStation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RadarStation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RadarStation (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 RadarStation (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 RadarStation (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 RadarStation (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 RadarStation (Area) - is a member of group - Exactly one - FacilitySrf (FeatureGroup)

Feature RadarStation (Point)New ☐ Radar Station

A facility utilizing radar to detect and analyze objects (for example: aircraft, artificial satellites, asteroids, and/or missiles) and/or environmental phenomena (for example: tornadoes). [Description] May include both a radar aerial as well as a structure housing radar equipment.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> <i>No Information</i>						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> <i>[-999999, -999999]</i>						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

<i>allowed values:</i> Civilian Other		Joint Military and Civilian Private		Military Public		No Information	
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	AT045	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AT045							
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Air Transport No Information		Defence Activities Other		Government Weather Station		Maritime Defense	
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information		Other					
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Air Force Marines Army Navy Coastguard No Information Joint Other						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
<i>allowed values:</i> False No Information True						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Radar Station Function	1	No Information	Enumeration	Unitless	0	The primary purpose served by a radar station.
<i>allowed values:</i> Aerodrome Ground Surveillance Fire Control Tracking Other Aircraft Flight Tracking General Surveillance Precision Approach Coastal Radar Launch Control Tracking Satellite Tracking Early Warning No Information Weather						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships:

- RadarStation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
- RadarStation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
- RadarStation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
- RadarStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
- RadarStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
- RadarStation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
- RadarStation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
- RadarStation (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
- RadarStation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
- RadarStation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
- RadarStation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
- RadarStation (Point) - is a member of group - Exactly one - FacilityPnt (FeatureGroup)

Feature Railway (Line)

New ☐ Railway

One or more railway tracks comprising a network that is operated for the conveyance of passengers and/or goods.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
<i>allowed values:</i> -999999						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Planned			Non-operational Temporarily Non-operational			Operational Partially Operational
New Feature Code	1	AN010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AN010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>		Conventional Native Transliterated Unverified Original	Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Linear Feature Arrangement	1	No Information	Enumeration	Unitless	0	The arrangement of parallel linear features on a single support structure including both directions (if applicable). [Description] For example, two railways sharing a single roadbed.
<i>allowed values:</i> Double Arrangement Single Arrangement			Multiple Arrangements	No Information	Other	
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information	True		
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information	Destroyed Unmaintained	Dismantled	
Railway Class	1	No Information	Enumeration	Unitless	0	The class of a railway based on its importance in the general transportation network.
<i>allowed values:</i> Branch-line Other			High Speed Rail	Main Line	No Information	
Track Information : Railway Gauge	1	-999999.0	REAL	metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> -999999.0						
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> Broad			Narrow	No Information	Standard	
Track Information : Railway in Road	1	No Information	Boolean	Unitless	0	An indication that a railway track is located within the bounds of a roadbed. [Description] For example, an infrequently used railway spur in a roadway or a carline running (regularly) in a roadway.
<i>allowed values:</i> False			No Information	True		
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<i>allowed values:</i> Electrified Track Overhead Electrified			No Information	Non-electrified	Other	
Railway Use	3	No Information	Enumeration	Unitless	0	The use(s) to which a railway is put as part of a transportation system.
<i>allowed values:</i> Automated Transit System Long-haul Other			Carline Marine Railway Rail Rapid Transit	Funicular Museum Tramway	Logging No Information Underground Railway	
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).

<i>allowed values:</i> Depressed Raised			Level		No Information	Not Applicable
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information		True	
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						

Feature Metadata : Survey Coverage Category	1	No Information	Enumeration	Unitless	0	A general evaluation of the coverage quality of a survey, as a category. [Description] See possibly accompanying Attribute: 'Position Quality Category' for additional survey-related information.
<i>allowed values:</i>	Inadequately Surveyed	No Information				Surveyed Unsurveyed
Track or Lane Count	1	-999999	Integer	unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
<i>allowed values:</i>	-999999					
Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.
<i>allowed values:</i>	Crane Track Ladder Track Other Team Track		Drill Track Maglev Paired Track			House Track Monorail Rip Track Joint Track No Information Stub Track
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i>	noInformation					
<i>allowed values:</i>	pimGUID					
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i>	Below Ground Surface	No Information				On Surface On Waterbody Bottom
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999.0					

Relationships: Railway (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Railway (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Railway (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Railway (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Railway (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Railway (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Railway (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Railway (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Railway (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Railway (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Railway (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Railway (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature RailwaySidetrack (Line)

New ☐ Railway Sidetrack

A stretch of railway track connected to a main railway and used for temporary storage, passing, loading, and/or unloading.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
Branch Railway Type	1	No Information	Enumeration	Unitless	0	The function or configuration of a branch railway.

				Other		Passing	Siding
	<i>allowed values:</i> No Information Spur						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
	<i>allowed values:</i> False			No Information		True	
	Cumulative Track Length	1	-999999.0	REAL	metre	0	The total cumulative length of track contained within the confines of the feature, exclusive of the branch or main trunk lines running into and/or out of the feature.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Planned			Non-operational Temporarily Non-operational		Operational	Partially Operational
New	Feature Code	1	AN050	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AN050						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Track Information : Railway Gauge	1	-999999.0	REAL	metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> -999999.0						
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> Broad			Narrow			No Information Standard
Track Information : Railway in Road	1	No Information	Boolean	Unitless	0	An indication that a railway track is located within the bounds of a roadbed. [Description] For example, an infrequently used railway spur in a roadway or a carline running (regularly) in a roadway.
<i>allowed values:</i> False			No Information			True
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<i>allowed values:</i> Electrified Track Overhead Electrified			No Information			Non-electrified Other
Railway Use	3	No Information	Enumeration	Unitless	0	The use(s) to which a railway is put as part of a transportation system.
<i>allowed values:</i> Carline Tramway			Funicular			No Information Other
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed Raised			Level			No Information Not Applicable
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						
Track or Lane Count	1	-999999	Integer	unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
<i>allowed values:</i> -999999						
Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.
<i>allowed values:</i> Crane Track Ladder Track Other Team Track			Drill Track Maglev Paired Track			House Track Monorail Rip Track Joint Track No Information Stub Track
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Below Ground Surface			No Information			On Surface On Waterbody Bottom

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: RailwaySidetrack (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RailwaySidetrack (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 RailwaySidetrack (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 RailwaySidetrack (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RailwaySidetrack (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RailwaySidetrack (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RailwaySidetrack (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RailwaySidetrack (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 RailwaySidetrack (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 RailwaySidetrack (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 RailwaySidetrack (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 RailwaySidetrack (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature **RailwaySignal (Point)** New ☐ Railway Signal

A signal used to control traffic on a railway.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AN085	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AN085						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: RailwaySignal (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RailwaySignal (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 RailwaySignal (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 RailwaySignal (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RailwaySignal (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RailwaySignal (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RailwaySignal (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RailwaySignal (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 RailwaySignal (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature RailwayTurntable (Area)New ☐ Railway Turntable**A rotating platform with railway tracks used for turning locomotives and/or railway carriages. [Description] May be enclosed within a structure.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information			Non-operational Planned		Not in Operation Temporarily Non-operational	
Partially Operational					Operational	
New Feature Code	1	AN075	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AN075						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	
					Native Original Provisional Variant Transliterated	
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Track Information : Railway Gauge	1	-999999.0	REAL	metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> -999999.0						
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> Broad			Narrow			No Information Standard
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<i>allowed values:</i> Electrified Track Overhead Electrified			No Information			Non-electrified Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer

allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.
<i>allowed values:</i> Crane Track Ladder Track Other Team Track			Drill Track Maglev Paired Track			House Track Monorail Rip Track Joint Track No Information Stub Track

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation**allowed values:* *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

- Relationships:**
- RailwayTurntable (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 - RailwayTurntable (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 - RailwayTurntable (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 - RailwayTurntable (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 - RailwayTurntable (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 - RailwayTurntable (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 - RailwayTurntable (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 - RailwayTurntable (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 - RailwayTurntable (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature RailwayTurntable (Point)

New ☐ Railway Turntable

A rotating platform with railway tracks used for turning locomotives and/or railway carriages. [Description] May be enclosed within a structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: *-999999.0*

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: *noInformation*

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AN075	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AN075						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Track Information : Railway Gauge	1	-999999.0	REAL	metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i>	-999999.0					
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i>	Broad		Narrow			No Information Standard
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<i>allowed values:</i>	Electrified Track Overhead Electrified		No Information			Non-electrified Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.
<i>allowed values:</i>			Crane Track Ladder Track Other Team Track	Drill Track Maglev Paired Track	House Track Monorail Rip Track	Joint Track No Information Stub Track

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: RailwayTurntable (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
RailwayTurntable (Point) - has dataset metadata in - Zero or one - Dataset (Area)
RailwayTurntable (Point) - has dataset metadata in - Zero or one - Dataset (Table)
RailwayTurntable (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
RailwayTurntable (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
RailwayTurntable (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
RailwayTurntable (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
RailwayTurntable (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
RailwayTurntable (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
RailwayTurntable (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature RailwayYard (Area)

New ☐ Railway Yard

A system of railway tracks and associated structures that are located within defined limits and that provide for loading, unloading, and/or assembling trains.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.

allowed values: No Information

Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
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allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information						
Cumulative Track Length	1	-999999.0	REAL	metre	0	The total cumulative length of track contained within the confines of the feature, exclusive of the branch or main trunk lines running into and/or out of the feature.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Planned Non-operational Temporarily Non-operational Operational Partially Operational						
New Feature Code	1	AN060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AN060						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> No Information Railway Vehicle Repair Other Station Railway Transport Transfer Hub Railway Vehicle Manufacture Warehousing and Storage						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original Historical Original No Information Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated						

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged No Information						
Destroyed Unmaintained						
Dismantled						
Track Information : Railway Gauge	1	-999999.0	REAL	metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> -999999.0						
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> Broad						
Narrow						
No Information						
Standard						
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<i>allowed values:</i> Electrified Track Overhead Electrified						
No Information						
Non-electrified						
Other						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Track or Lane Count	1	-999999	Integer	unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
<i>allowed values:</i> -999999						
Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.
<i>allowed values:</i> Crane Track Ladder Track Other Team Track			Drill Track Maglev Paired Track			House Track Monorail Rip Track Joint Track No Information Stub Track
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: RailwayYard (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RailwayYard (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 RailwayYard (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 RailwayYard (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RailwayYard (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RailwayYard (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RailwayYard (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RailwayYard (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 RailwayYard (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 RailwayYard (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 RailwayYard (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 RailwayYard (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature RailwayYard (Point)

New ☐ Railway Yard

A system of railway tracks and associated structures that are located within defined limits and that provide for loading, unloading, and/or assembling trains.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Cumulative Track Length	1	-999999.0	REAL	Metre	0	The total cumulative length of track contained within the confines of the feature, exclusive of the branch or main trunk lines running into and/or out of the feature.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Planned			Non-operational Temporarily Non-operational			Operational Partially Operational

New	Feature Code	1	AN060	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u>	AN060					
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<u>allowed values:</u>	No Information Railway Vehicle Repair					
				Other Station			Railway Transport Transfer Hub
							Railway Vehicle Manufacture Warehousing and Storage
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u>	noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u>	No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	<p>The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names.</p> <p>[CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl. [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2</p>
	<u>allowed values:</u>	No Information					
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u>	Conventional Native Transliterated Unverified Original					
				Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
							Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u>	-999999.0					
	Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u>	-999999.0					
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u>	-999999.0					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u>	No Information					
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u>	No Information					

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Track Information : Railway Gauge	1	-999999.0	REAL	Metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> -999999.0						
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i> Broad			Narrow			No Information Standard
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<i>allowed values:</i> Electrified Track Overhead Electrified			No Information			Non-electrified Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Track or Lane Count	1	-999999	Integer	Unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
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allowed values: -999999

Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.
<i>allowed values:</i>			Drill Track			House Track
			Maglev			Monorail
			Paired Track			Rip Track
						Joint Track
						No Information
						Stub Track

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: RailwayYard (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RailwayYard (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 RailwayYard (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 RailwayYard (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RailwayYard (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RailwayYard (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RailwayYard (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RailwayYard (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)
 RailwayYard (Point) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 RailwayYard (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)

Feature Ramp (Area)

New ☐ Ramp

An inclined plane, usually man-made, for moving between two levels.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational Operational	
New Feature Code	1	AL195	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL195						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated	
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Ramp (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Ramp (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Ramp (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Ramp (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Ramp (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Ramp (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Ramp (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Ramp (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Ramp (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature Ramp (Line)New ☐ Ramp**An inclined plane, usually man-made, for moving between two levels.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL195	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL195						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Ramp (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Ramp (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Ramp (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Ramp (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Ramp (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Ramp (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Ramp (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Ramp (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Ramp (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature Rapids (Area)New ☐ Rapids

Portions of a stream with accelerated current where it descends rapidly but without a break in the slope of the bed sufficient to form a waterfall. [Description] The surface is usually broken by boulders and rocks.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BH120	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH120						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon ("."), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values:	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values:	-999999.0					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values:	False		No Information		True	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
allowed values:	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values:	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMDissem
allowed values:	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMNonIntC
allowed values:	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMOwnerProducer
allowed values:	noInformation					

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Rapids (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Rapids (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Rapids (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Rapids (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Rapids (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Rapids (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Rapids (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Rapids (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Rapids (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Rapids (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Rapids (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Rapids (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature Rapids (Line)

New ☐ Rapids

Portions of a stream with accelerated current where it descends rapidly but without a break in the slope of the bed sufficient to form a waterfall. [Description] The surface is usually broken by boulders and rocks.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

	<i>allowed values:</i> <i>noInformation</i>						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> <i>[-999999, -999999]</i>						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> <i>noInformation</i>						
New	Feature Code	1	BH120	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> <i>BH120</i>						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> <i>noInformation</i>						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> <i>No Information</i>						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> <i>No Information</i>			<i>Other</i>			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original <i>No Information</i> Unverified Transliterated			Historical Transliterated <i>Other</i> Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> <i>-999999.0</i>						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> <i>No Information</i>						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> <i>No Information</i>						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Rapids (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Rapids (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Rapids (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Rapids (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Rapids (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Rapids (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Rapids (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Rapids (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Rapids (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Rapids (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Rapids (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Rapids (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)

Feature Rapids (Point)

New ☐ Rapids

Portions of a stream with accelerated current where it descends rapidly but without a break in the slope of the bed sufficient to form a waterfall. [Description] The surface is usually broken by boulders and rocks.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BH120	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH120						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<i>allowed values:</i> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information			Other			
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
	<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Rapids (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Rapids (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Rapids (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Rapids (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Rapids (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Rapids (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Rapids (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Rapids (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Rapids (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Rapids (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Rapids (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Rapids (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature RecyclingSite (Area)

New ☐ Recycling Site

A site engaged in the wrecking, dismantling, storage, recycling, and/or disposal of discarded or scrap products. [Description] For example, a wrecking yard or a scrap yard.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AB010	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AB010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False							
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: RecyclingSite (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RecyclingSite (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 RecyclingSite (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 RecyclingSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RecyclingSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RecyclingSite (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RecyclingSite (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RecyclingSite (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 RecyclingSite (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 RecyclingSite (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 RecyclingSite (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 RecyclingSite (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature Reef (Area)New ☐ Reef

A mass of rock or coral which either reaches close to the sea surface or is exposed at low tide, posing a hazard to navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BD120	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD120						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated

Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.

<i>allowed values:</i> Coral			No Information			Other	Rock
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	

allowed values: noInformation*allowed values:* pimGUID

Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.	
<i>allowed values:</i> Always Dry			Always Submerged			Awash at Low Water	Covers and Uncovers
<i>allowed values:</i> No Information			Other				

Relationships: Reef (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Reef (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Reef (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Reef (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Reef (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Reef (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Reef (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Reef (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 Reef (Area) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 Reef (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Reef (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Reef (Line) New ☐ Reef

A mass of rock or coral which either reaches close to the sea surface or is exposed at low tide, posing a hazard to navigation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BD120	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD120						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<u>allowed values:</u> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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allowed values: Coral

No Information

Other

Rock

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*

allowed values: *pimGUID*

Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<u>allowed values:</u>		Always Dry No Information	Always Submerged Other	Awash at Low Water		Covers and Uncovers

Relationships: Reef (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Reef (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Reef (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Reef (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Reef (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Reef (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Reef (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Reef (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)
 Reef (Line) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 Reef (Line) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 Reef (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Reef (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature ResourceMetadataRelation (Table)

New ☒ Resource Metadata Relation

A modeling entity that relates an information resource to metadata regarding that resource. [Description] An information resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process, a common theme or spatial region). Modeling entities may, for example, represent data series, datasets, entity collections, features, and/or events, including their characteristics and interrelationships.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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New	Feature Code	1	ZJ001	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZJ001							
	Feature Metadata (Table) : Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about the digital representation of a feature and its properties (attributes and associations). [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation							
<i>allowed values:</i> noInformation							
<i>allowed values:</i> noInformation							
<i>allowed values:</i> noInformation							
<i>allowed values:</i> noInformation							
	Dataset (Surface) : Unique Resource Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a resource that is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process). [Description] The identifier may be specified by a Uniform Resource Identifier (URI) in accordance with the Internet Engineering Task Force (IETF) RFC2396. [DatatypeSpecification] A structured text value specifying a unique resource (for example: dataset or service) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 (URI Generic Syntax); the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation							
<i>allowed values:</i> noInformation							
Relationships: ResourceMetadataRelation (Table) - is a member of configuration level - Exactly one - GGDM_Global (Feature) ResourceMetadataRelation (Table) - is a member of configuration level - Exactly one - GGDM_Regional (Feature) ResourceMetadataRelation (Table) - is a member of configuration level - Exactly one - GGDM_Local (Feature) ResourceMetadataRelation (Table) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature) ResourceMetadataRelation (Table) - is a member of group - Exactly one - AssociationTbl (FeatureGroup)							

Feature RestrictionInfo (Table)

New ☐ Restriction Information

A modeling entity collecting information about restriction(s) and/or security control(s) applicable to dissemination of data regarding the digital representation of the feature or attribute.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Commercial Copyright Notice	1	No Information	String	Unitless	2E+09	A description of any commercial (or similar) copyright notice applicable to information regarding the feature or data set. [Description] For example, '©2000 Space Imaging, Inc.', in which case the copyright information for use of such imagery needs to be stated; this generally includes restrictions on use and distribution. For non copyright data, for example 'Copyright 2004 by the National Geospatial-Intelligence Agency, U.S. Government. No domestic copyright claimed under Title 17 U.S.C. All rights reserved.'
<i>allowed values:</i> No Information						
Commercial Distribution Restriction	1	No Information	String	Unitless	2E+09	A description of any commercial (or similar) restrictions on the distribution of information regarding the feature or data set. [Description] For example, 'Distribution and use restricted to DoD/Title 50 and Coalition Forces.' Some commercial data is copyrighted. A copyright is 'the exclusive legal right to reproduce, publish, and sell the matter and form.' 1) The foundation of the copyright is US law and international treaties. A [distribution] license (a.k.a. License Agreement) is the 'official or legal permission to do or own a specific thing.' 2) The licenses are part of the government contracts with the commercial data providers. The license delineates what the user may or may not do with the commercial product.
<i>allowed values:</i> No Information						
Feature Code	1	ZI002	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZI002						

New	Security Attributes Group <resource atomic energy markings>	1	noInformation	StructuredText	Unitless	254	One or more indicators identifying information controlled under the U.S. Atomic Energy Act. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an atomic energy marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMAtomicEnergyMarkings
	<u>allowed values:</u> noInformation						
	Security Attributes Group <resource classification reason>	1	No Information	String	Unitless	2E+09	The basis for the original classification decision regarding the resource.
	<u>allowed values:</u> No Information						
	Security Attributes Group <resource classified by>	1	No Information	String	Unitless	2E+09	The identity, by name or personal identifier, and position title of the original classification authority for the resource.
	<u>allowed values:</u> No Information						
New	Security Attributes Group <resource compilation reason>	1	No Information	String	Unitless	2E+09	The reason that a portion or resource is marked with a higher and/or more restrictive mark than its components would indicate. [Description] For example, this would document why 3 Unclassified bullet items form a Secret List. Without this reason being noted, such a document would be considered to be mismarked and over-classified.
	<u>allowed values:</u> No Information						
	Security Attributes Group <resource date of exempted source>	1	noInformation	StructuredText	Unitless	14	The year, month and day of publication or release of a resource source, or the most recent resource source, that was itself marked with a declassification constraint. [Description] It is no longer valid as of the release of ISM Version 7 and its use has been deprecated. [DatatypeSpecification] A structured text value specifying a resource date of exempted source. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, a calendar date representation, as a single data element comprising ten characters, where [YYYY] represents a calendar year, [MM] the ordinal number of a calendar month within the calendar year, and [DD] the ordinal number of a day within the calendar month, where the three components are separated by the hyphen '-' character (for example: '1985-04-12').
	<u>allowed values:</u> noInformation						
	Security Attributes Group <resource declassification date>	1	noInformation	StructuredText	Unitless	14	The specific year, month and day for declassification of the resource, based on the duration of the national security sensitivity of the resource, upon the occurrence of which the resource shall be automatically declassified. [DatatypeSpecification] A structured text value specifying a resource declassification date. [EncodingSpecification] Formatted in accordance with ISO 8601:2000, a calendar date representation, as a single data element comprising ten characters, where [YYYY] represents a calendar year, [MM] the ordinal number of a calendar month within the calendar year, and [DD] the ordinal number of a day within the calendar month, where the three components are separated by the hyphen '-' character (for example: '1985-04-12').
	<u>allowed values:</u> noInformation						
	Security Attributes Group <resource declassification event>	1	No Information	String	Unitless	2E+09	A description of an event for declassification of the resource, based upon the duration of the national security sensitivity of the resource, upon the occurrence of which the resource shall be automatically declassified.
	<u>allowed values:</u> No Information						
	Security Attributes Group <resource declassification exception>	1	noInformation	StructuredText	Unitless	14	One or more exceptions to the nominal 25-year point for automatic declassification of the resource. [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a declassification exception that is applicable to a resource. [EncodingSpecification] A character string consisting of a four- to ten-character alphanumeric code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISM25X
	<u>allowed values:</u> noInformation						
	Security Attributes Group <resource derivatively classified by>	1	No Information	String	Unitless	2E+09	The identity, by name or personal identifier, of the derivative classification authority of the resource.
	<u>allowed values:</u> No Information						
	Security Attributes Group <resource derived from>	1	No Information	String	Unitless	2E+09	Citation of the authoritative source, or reference to multiple sources, of the classification markings used in a resource.
	<u>allowed values:</u> No Information						
New	Security Attributes Group <resource display only to>	1	No Information	String	Unitless	2E+09	One or more indicators identifying the country or countries and/or international organization(s) to which classified information may be displayed based on the determination of an originator in accordance with established foreign disclosure procedures. [Description] This element is used in conjunction with the Dissemination Controls element.
	<u>allowed values:</u> No Information						

	Security Attributes Group <resource foreign government information (open source)>	1	noInformation	StructuredText	Unitless	254	Indication(s) that the resource qualifies as foreign government information according to CAPCO guidelines for which the source(s) of the information is not concealed. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a foreign government information (open source) that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMFGIOpen
	<i>allowed values:</i> noInformation						
	Security Attributes Group <resource foreign government information (protected source)>	1	noInformation	StructuredText	Unitless	254	Indication(s) that the resource qualifies as foreign government information according to CAPCO guidelines for which the source(s) of the resource must be concealed when the information is disseminated in ICSIS shared spaces. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a foreign government information (protected source) that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMFGIProtected
	<i>allowed values:</i> noInformation						
New	Security Attributes Group <resource non-US controls>	1	noInformation	StructuredText	Unitless	254	One or more indicators of the expansion or limitation on the distribution of an information resource or portion within the domain of information originating from non-US components. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-US control that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonUSControls
	<i>allowed values:</i> noInformation						
	Security Attributes Group <resource releasable to>	1	noInformation	StructuredText	Unitless	254	The country or countries and/or international organization(s) to which the classified resource may be released based on the determination of an originator in accordance with established foreign disclosure procedures. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a releasability-to that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMRelTo
	<i>allowed values:</i> noInformation						
	Security Attributes Group <resource SCI controls>	1	noInformation	StructuredText	Unitless	254	The Controlled Access Program Coordination Office (CAPCO) authorized abbreviations for sensitive compartmented information control system(s) applicable to the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an SCI control that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMSCISControls
	<i>allowed values:</i> noInformation						
	Security Attributes Group <resource special-access-required program identifier>	1	noInformation	StructuredText	Unitless	254	The registered trigraphic or digraphic code(s) for defense or intelligence programs for which resource special access is required. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an identifier of a special-access-required program that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMSAR
	<i>allowed values:</i> noInformation						
	Security Attributes Group <resource type of exempted source>	1	noInformation	StructuredText	Unitless	14	The declassification marking of a source of the resource that causes the current, derivative resource to be exempted from automatic declassification. [Description] It is no longer valid as of the release of ISM Version 7 and its use has been deprecated. [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a type of exempted source that is applicable to a resource. [EncodingSpecification] A character string consisting of a two- to four-character alphanumeric code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/4.0.0/CVEGenerated/CVEnumSMSSourceMarked
	<i>allowed values:</i> noInformation						
	Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
	<i>allowed values:</i> noInformation						

Relationships: RestrictionInfo (Table) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 RestrictionInfo (Table) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 RestrictionInfo (Table) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 RestrictionInfo (Table) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 RestrictionInfo (Table) - is a member of group - Exactly one - ConstraintTbl (FeatureGroup)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - PipelineCrossingPoint (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - StormDrain (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - StreetLamp (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - StreetSign (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - ContaminatedRegion (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - ContaminatedRegion (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AdministrativeDivision (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AerationBasin (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AerialFarm (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AerialFarm (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AquaticVegetation (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AquaticVegetation (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AstronomicalObservatory (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AstronomicalObservatory (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Billboard (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Borehole (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Brush (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - MaritimeCautionArea (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - ConservationArea (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CoolingFacility (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CoolingFacility (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - ManorHouse (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - ManorHouse (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CulturalContextLocation (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CulturalContextLocation (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Desert (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - DredgedArea (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - ForestClearing (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - FuelStorageFacility (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - FuelStorageFacility (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - GeopoliticalEntity (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Grove (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Grove (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - IceCap (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - IceRoute (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - IndustrialFarm (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - IndustrialFarm (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - IndustrialFurnace (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - IndustrialFurnace (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Installation (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Installation (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - MaritimeRadiobeacon (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - MineShaftSuperstructure (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - MineShaftSuperstructure (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - MunitionStorageFacility (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - MunitionStorageFacility (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - NonBuildingStructure (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - NonBuildingStructure (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - NuclearReactorContainment (Area)

RestrictionInfo (Table) - provides restriction metadata for - One or more - NuclearReactorContainment (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - OfficePark (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - OffshoreConstruction (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - OffshoreConstruction (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Port (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Port (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - RailwaySignal (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - RetailStand (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Scoreboard (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - ShoppingComplex (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - ShorelineRamp (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - ShorelineRamp (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SolarFarm (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SolarFarm (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SpaceFacility (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SpaceFacility (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Stable (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Stable (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TetheredBalloon (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Tomb (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Tomb (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TunnelMouth (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterMill (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterMill (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterWell (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterWell (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Waterwork (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Waterwork (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WindFarm (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WindFarm (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AdministrativeBoundary (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - DefensiveRevetment (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AircraftHangar (Area)
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 RestrictionInfo (Table) - provides restriction metadata for - One or more - SeaplaneRun (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Sabkha (Area)
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 RestrictionInfo (Table) - provides restriction metadata for - One or more - ShorelineConstruction (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - BeachLandingSite (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - BeachLandingSite (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Sidewalk (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SkiJump (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SkiJump (Point)

RestrictionInfo (Table) - provides restriction metadata for - One or more - SlopeRegion (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - SluiceGate (Line)
RestrictionInfo (Table) - provides restriction metadata for - One or more - SluiceGate (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - SmallCraftFacility (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - SmallCraftFacility (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Snag (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Snag (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - SolarPanel (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - SolarPanel (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Sounding (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Spillway (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Spillway (Line)
RestrictionInfo (Table) - provides restriction metadata for - One or more - SpotElevation (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Stadium (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Stadium (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Stair (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Stair (Line)
RestrictionInfo (Table) - provides restriction metadata for - One or more - InsubstantialNavMark (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - SteepGrade (Line)
RestrictionInfo (Table) - provides restriction metadata for - One or more - SurfaceBunker (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - SurfaceBunker (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - ShippingContainer (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - ShippingContainer (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - StorageDepot (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - StorageDepot (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - StorageTank (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - StorageTank (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - StructuralPile (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - StructuralPile (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - HazardousRock (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - GeodeticPoint (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Swamp (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - SweptArea (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - SwimmingPool (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - SwimmingPool (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Orchard (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Orchard (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Taxiway (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Taxiway (Line)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Cableway (Line)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Crater (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Crater (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Cut (Line)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Depression (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Depression (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - TestSite (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - TidalStreamObserveStation (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Tower (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Tower (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - TrafficSeparationScheme (Area)
RestrictionInfo (Table) - provides restriction metadata for - One or more - TrafficSeparationScheme (Line)
RestrictionInfo (Table) - provides restriction metadata for - One or more - TrafficSeparationScheme (Point)
RestrictionInfo (Table) - provides restriction metadata for - One or more - Trail (Line)
RestrictionInfo (Table) - provides restriction metadata for - One or more - TrainingSite (Area)

RestrictionInfo (Table) - provides restriction metadata for - One or more - TrainingSite (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TransportationBlock (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TransportationBlock (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TransportationStation (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TransportationStation (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Tree (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Tundra (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Tunnel (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Tunnel (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - UndergroundBunker (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - UndergroundBunker (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - UndergroundDwelling (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - VehicleBarrier (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - VehicleBarrier (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - VehicleLot (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Berth (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Vineyard (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Vineyard (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - VoidCollectionArea (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - VolcanicDyke (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Volcano (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Volcano (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Wall (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterbodyDivider (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TidalWater (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterIntakeTower (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterIntakeTower (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterTower (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterTower (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterTreatmentBed (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterTurbulence (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterTurbulence (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterTurbulence (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Waterfall (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Waterfall (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - NaturalPool (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - NaturalPool (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - FiringRange (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - FiringRange (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WindTurbine (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Windmill (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Windmill (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Cane (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - FireHydrant (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AntiAircraftArtillerySite (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AntiAircraftArtillerySite (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - MaritimeSignalStation (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - LandParcel (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Crevice (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Crevice (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Embankment (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Embankment (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SkiRun (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SkiRun (Line)

RestrictionInfo (Table) - provides restriction metadata for - One or more - CaravanPark (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AerodromeBeacon (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - BasinGate (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - BasinGate (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CastleComplex (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CastleComplex (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CausewayStructure (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CausewayStructure (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CutLine (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - EngineeredEarthwork (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - EngineeredEarthwork (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - FishFarmFacility (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - FishFarmFacility (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - FloodControlStructure (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - FloodControlStructure (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - FloodControlStructure (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - FortifiedBuilding (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - FortifiedBuilding (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - InlandWaterbody (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - InlandWaterbody (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - LandAerodrome (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - LandAerodrome (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - MaricultureSite (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - MemorialMonument (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - MemorialMonument (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - MemorialMonument (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - QanatShaft (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Railway (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SewageTreatmentPlant (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SewageTreatmentPlant (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - ShipElevator (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - ShipElevator (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - ShipElevator (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TransRouteCharacterChange (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TransRouteCharacterChange (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TransRouteProtectStruct (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TransRouteProtectStruct (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TransRouteProtectStruct (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterAerodrome (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterAerodrome (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterRace (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - MaritimeNavLightSupport (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CaveChamber (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CaveMouth (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - NonWaterWell (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterMeasurementLocation (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterMeasurementLocation (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AeroRadioNavInstallation (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterMovementDataLocation (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SnowIceField (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - LandingZone (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - LandingZone (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - HarbourWaters (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - MilitaryBoundary (Line)

RestrictionInfo (Table) - provides restriction metadata for - One or more - TrafficLight (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - InstallationBoundary (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TankTrail (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TankTrail (Line)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TankCrossing (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - TankCrossing (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - EngineeredTurnaroundSite (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CantonmentArea (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WasteHeap (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WasteHeap (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Pump (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - AqueductAON (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CanalAON (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - CisternAON (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - DitchAON (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - InlandWaterbodyAON (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - NaturalPoolAON (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - PipelineAON (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - PumpingStationAON (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - RiverAON (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SabkhaAON (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - StorageTankAON (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SwimmingPoolAON (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - WaterWellAON (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Aquifer (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - SurveyPoint (Point)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Dataset (Area)
 RestrictionInfo (Table) - provides restriction metadata for - One or more - Dataset (Table)

Feature RetailStand (Area)

New ☐ Retail Stand

A small structure that stands alone, and is designated for the purpose of supplying a product (for example: souvenirs, magazines, snacks or refreshments) or service (for example: a shoe shine) to passers-by. [Description] It may be roofed (for example: a newspaper stand along the side of a city street or the attendant's booth in a parking lot or at a taxi cab stand), covered by an awning (for example: a cellular phone booth in the center of the promenade of a shopping mall or a hot dog stand on a city sidewalk), or unroofed. Although often semi-permanent in nature it may be wheeled and portable on a seasonal basis or more frequently as business conditions warrant.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

		<i>allowed values:</i> No Information Partially Operational	Non-operational Planned	Not in Operation Temporarily Non-operational	Operational	
New	Feature Code	1	AL180	CONSTRAINED_ STRING	Unitless	5
		<i>allowed values:</i> AL180				
	Feature Function	3	No Information	Enumeration	Unitless	0
		<i>allowed values:</i> Courier Activities Other Retail Sale	Food Service Postal Activities	Mobile Phone Service Restaurant	No Information Retail Banking	
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254
		<i>allowed values:</i> noInformation				
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200
		<i>allowed values:</i> No Information				
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24
		<i>allowed values:</i> No Information	Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless	
		<i>allowed values:</i> Conventional Native Transliterated Unverified Original	Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
	Height Above Surface Level	1	-999999.0	REAL	metre	0
		<i>allowed values:</i> -999999.0				
	Highest Elevation	1	-999999.0	REAL	metre	0
		<i>allowed values:</i> -999999.0				
	Length	1	-999999.0	REAL	metre	0
		<i>allowed values:</i> -999999.0				
	Note : Memorandum	1	No Information	String	Unitless	2E+09
		<i>allowed values:</i> No Information				

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>	Brick No Information		Concrete Other			Masonry Plastic Metal Wood
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i>	noInformation					
<i>allowed values:</i>	pimGUID					
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: RetailStand (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RetailStand (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 RetailStand (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 RetailStand (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RetailStand (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RetailStand (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RetailStand (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RetailStand (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 RetailStand (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature RiceField (Area)

New ☐ Rice Field

A tract that is periodically covered with water and is used for growing rice.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i>	-999999.0					
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i>	[-999999.0, -999999.0]					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	[-999999, -999999]					

Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<u>allowed values:</u> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<u>allowed values:</u> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other Joint Military and Civilian Private Military Public No Information						
Crop Information : Crop Species	1	Rice	Enumeration	Unitless	0	The predominant species of a crop land.
<u>allowed values:</u> Rice						
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
<u>allowed values:</u> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<u>allowed values:</u> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Crop Information : Farming Method	3	No Information	Enumeration	Unitless	0	The agricultural practice(s) in use within an agro-ecosystem.
<u>allowed values:</u> Fallow Permanent Grazing Slash and Burn No Information Other						
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<u>allowed values:</u> Intermingled Trees No Information Treeless Intermingled Woods Other Trellised Irregular Regular Linear Terraced						
New Feature Code	1	BH135	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BH135						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry Perennial			Ephemeral			Intermittent No Information
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999.0						
New	Crop Information : Permanent Irrigation	1	No Information	Boolean	Unitless	0	An indication that a field is continuously used for cultivation and permanent irrigation is required due to the natural aridity of the area.
	<u>allowed values:</u> False			No Information			True
	Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999.0						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	1	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: RiceField (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RiceField (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 RiceField (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 RiceField (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RiceField (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RiceField (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RiceField (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RiceField (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 RiceField (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 RiceField (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 RiceField (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 RiceField (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature Rig (Area)New ☐ Rig

A superstructure fitted for drilling or lifting operations for extraction and/or exploitation of natural resources.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> <i>False</i>			<i>No Information</i>			<i>True</i>
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> <i>noInformation</i>						
<i>New</i> Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> <i>[-999999, -999999]</i>						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> <i>Civilian</i> <i>Other</i>			<i>Joint Military and Civilian</i> <i>Private</i>			<i>Military</i> <i>Public</i> <i>No Information</i>
<i>New</i> External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> <i>No Information</i> <i>Partially Operational</i>			<i>Non-operational</i> <i>Planned</i>			<i>Not in Operation</i> <i>Temporarily Non-operational</i> <i>Operational</i>
<i>New</i> Feature Code	1	AA040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AA040</i>						
<i>New</i> Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> <i>noInformation</i>						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i> At Shoreline			Inland			No Information Offshore
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Brine Petroleum			Gas Water			No Information Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						

allowed values: pimGUID

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
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allowed values: Aluminum
OtherIron
SteelMetal
Wood

No Information

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Rig (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Rig (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Rig (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Rig (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Rig (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Rig (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Rig (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Rig (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Rig (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature Rig (Point)New ☐ Rig**A superstructure fitted for drilling or lifting operations for extraction and/or exploitation of natural resources.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	AA040	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AA040							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
Geographic Name Information : Full Name		1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
Geographic Name Information : Geographic Name Type		1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level		1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
Highest Elevation		1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
Length		1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
Location Referenced to Shoreline		1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i> At Shoreline				Inland			No Information Offshore
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged No Information						
Destroyed Unmaintained						
Dismantled						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Brine Petroleum						
Gas Water						
No Information						
Other						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Other			Iron Steel			Metal Wood No Information

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Rig (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Rig (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Rig (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Rig (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Rig (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Rig (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Rig (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Rig (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Rig (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Rig (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Rig (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Rig (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature River (Area)

New ☐ River

A natural flowing watercourse.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999.0						
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate Other			Left Right		No Flow	No Information
<i>allowed values:</i> Indeterminate Other			Left Right		No Flow	No Information
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
<i>allowed values:</i> Bedrock No Information Sand Soil			Clay and Silt Other Sand and Gravel		Concrete Paved Sand over Mud	Gravel and Cobble Rocks and Boulders Silty Sands
<i>allowed values:</i> Bedrock Gravel and Cobble Paved Sand Slash			Clay and Silt Masonry Peat Sand and Gravel Soil		Concrete No Information Reinforced Concrete Sand over Mud	Coral Other Rocks and Boulders Silty Sands
<i>allowed values:</i> Bedrock Gravel and Cobble Paved Sand Slash			Clay and Silt Masonry Peat Sand and Gravel Soil		Concrete No Information Reinforced Concrete Sand over Mud	Coral Other Rocks and Boulders Silty Sands
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

			Other			Private	Public
<u>allowed values:</u> No Information							
Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.	
<u>allowed values:</u> False			No Information			True	
Covered Drain Length	1	-999999.0	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.	
<u>allowed values:</u> -999999.0							
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.	
<u>allowed values:</u> -999999.0							
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.	
<u>allowed values:</u> -999999.0							
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.	
<u>allowed values:</u> noInformation							
New Feature Code	1	BH140	CONSTRAINED_STRING	Unitless	5	Feature Code	
<u>allowed values:</u> BH140							
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.	
<u>allowed values:</u> noInformation							
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<u>allowed values:</u> No Information							
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2	
<u>allowed values:</u> No Information			Other				
Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.	
<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<u>allowed values:</u> -999999.0							
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.	
<u>allowed values:</u> -999999.0							

Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<u>allowed values:</u> Dry			Intermittent			No Information Perennial
Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<u>allowed values:</u> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigability Information	1	No Information	Enumeration	Unitless	0	Information about the navigability of a body of water by ocean-going and/or large vessels. [Description] Navigability is not intended to include jet skis, motorboats or other recreational craft.
<u>allowed values:</u> Navigable No Information			Navigable and Operational Not Navigable			Navigable but Abandoned Other Navigable with Periodic Restrictions
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999.0						
Predominant Average Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> -999999.0						
Predominant Maximum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> -999999.0						
Predominant Maximum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> -999999.0						
Predominant Minimum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> -999999.0						

Predominant Minimum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> -999999.0						
Predominant Water Depth	1	-999999.0	REAL	metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> -999999.0						
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<u>allowed values:</u> [-999999.0, -999999.0]						
<u>allowed values:</u> [-999999.0, -999999.0]						
Inland Waterbody Bank : Predominant Waterbody Bank Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<u>allowed values:</u> [-999999.0, -999999.0]						
<u>allowed values:</u> [-999999.0, -999999.0]						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<u>allowed values:</u> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						
Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<u>allowed values:</u> False No Information True						
<u>allowed values:</u> False No Information True						
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.

allowed values: Building Rubble
Marshy
Sandy

Erosion Rubble
Mud
Shingly
Erosion Rubble
Mud
Shingly

Ice
No Information
Stony
Ice
No Information
Stony

Mangrove
Other
Mangrove
Other

allowed values: Building Rubble
Marshy
Sandy

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
allowed values: noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
allowed values: -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
allowed values: -999999.0						
Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
allowed values: -999999.0						
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
allowed values: False			No Information			True
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
allowed values: -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
allowed values: noInformation						
allowed values: pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
allowed values: Below Ground Surface			No Information			On Surface
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
allowed values: -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
allowed values: -999999.0						

New	Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
	<i>allowed values:</i> Large Small			Moderate			No Information Other
	Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	<i>allowed values:</i> From All Sides From Right No Information			From East From South			From Left From West From North No Accessibility
New	Water Resource Information : Water Stage	1	No Information	Enumeration	Unitless	0	The flow stage of a stream or canal.
	<i>allowed values:</i> High Other			Low			Mean No Information
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other
	Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational
	Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
	<i>allowed values:</i> -999999.0 <i>allowed values:</i> -999999.0						
	Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
	<i>allowed values:</i> [-999999.0, -999999.0] <i>allowed values:</i> [-999999.0, -999999.0]						
	Watercourse Channel Type	1	No Information	Enumeration	Unitless	0	The type of trough-like depression that is normally occupied by a watercourse.
	<i>allowed values:</i> Braided Stream Normal Channel			Channelized Stream Other			Gorge Wadi No Information
	Watercourse Morphology	1	No Information	Enumeration	Unitless	0	The type of a watercourse based on its shape and/or configuration.
	<i>allowed values:</i> Abandoned Confluence Meander Pool			Anabranh Cut-off Mouth Reach			Bend Distributary No Information Canalized Headwaters Other

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: River (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 River (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 River (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 River (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 River (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 River (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 River (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 River (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 River (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 River (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 River (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 River (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature River (Line) New ☐ River

A natural flowing watercourse.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999.0 <i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate Other			Left Right			No Flow No Information
<i>allowed values:</i> Indeterminate Other			Left Right			No Flow No Information
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.

	<i>allowed values:</i>	Bedrock No Information Sand Soil		Clay and Silt Other Sand and Gravel		Concrete Paved Sand over Mud		Gravel and Cobble Rocks and Boulders Silty Sands
	<i>allowed values:</i>	Bedrock Gravel and Cobble Paved Sand Slash		Clay and Silt Masonry Peat Sand and Gravel Soil		Concrete No Information Reinforced Concrete Sand over Mud		Coral Other Rocks and Boulders Silty Sands
	<i>allowed values:</i>	Bedrock Gravel and Cobble Paved Sand Slash		Clay and Silt Masonry Peat Sand and Gravel Soil		Concrete No Information Reinforced Concrete Sand over Mud		Coral Other Rocks and Boulders Silty Sands
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.	
	<i>allowed values:</i>	[-999999, -999999]						
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.	
	<i>allowed values:</i>	-999999.0						
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.	
	<i>allowed values:</i>	-999999.0						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).	
	<i>allowed values:</i>	No Information		Other			Private	Public
	Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.	
	<i>allowed values:</i>	False		No Information			True	
	Covered Drain Length	1	-999999.0	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.	
	<i>allowed values:</i>	-999999.0						
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.	
	<i>allowed values:</i>	-999999.0						
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.	
	<i>allowed values:</i>	-999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.	
	<i>allowed values:</i>	noInformation						
New	Feature Code	1	BH140	CONSTRAINED_STRING	Unitless	5	Feature Code	
	<i>allowed values:</i>	BH140						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.	

<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information			Other			
Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999.0						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<u>allowed values:</u> Dry			Intermittent			No Information Perennial
Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<u>allowed values:</u> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						

Navigability Information	1	No Information	Enumeration	Unitless	0	Information about the navigability of a body of water by ocean-going and/or large vessels. [Description] Navigability is not intended to include jet skis, motorboats or other recreational craft.
<i>allowed values:</i> Navigable No Information			Navigable and Operational Not Navigable			Navigable but Abandoned Other Navigable with Periodic Restrictions
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Predominant Average Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Maximum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Maximum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Predominant Minimum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<i>allowed values:</i> -999999.0						
Predominant Water Depth	1	-999999.0	REAL	metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Predominant Waterbody Bank Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False			No Information			True
<i>allowed values:</i> False			No Information			True
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ('). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						

Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.
<i>allowed values:</i> -999999.0						
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Below Ground Surface			No Information			On Surface
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.
<i>allowed values:</i> Large Small			Moderate			No Information Other
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
New Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
<i>allowed values:</i> From All Sides From Right No Information			From East From South			From Left From West From North No Accessibility
New Water Resource Information : Water Stage	1	No Information	Enumeration	Unitless	0	The flow stage of a stream or canal.
<i>allowed values:</i> High Other			Low			Mean No Information

Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
allowed values:	Alkaline Mineral Saline		Brackish No Information Seawater			Brine Not Applicable Fresh Other
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
allowed values:	Agricultural Irrigation Institutional No Information Sanitary Domestic		Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational
Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
allowed values:	-999999.0					
allowed values:	-999999.0					
Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
allowed values:	[-999999.0, -999999.0]					
allowed values:	[-999999.0, -999999.0]					
Watercourse Channel Type	1	No Information	Enumeration	Unitless	0	The type of trough-like depression that is normally occupied by a watercourse.
allowed values:	Braided Stream Normal Channel		Channelized Stream Other			Gorge Wadi No Information
Watercourse Morphology	1	No Information	Enumeration	Unitless	0	The type of a watercourse based on its shape and/or configuration.
allowed values:	Abandoned Confluence Meander Pool		Anabranch Cut-off Mouth Reach			Bend Distributary No Information Canalized Headwaters Other
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: River (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 River (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 River (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 River (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 River (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 River (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 River (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 River (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 River (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 River (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 River (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 River (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)

Feature RiverAON (Area)

New ☒ River Area of Numerous

Area of numerous naturally flowing watercourses.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Inland Waterbody Bank : Above Water Bank Slope (first bank)	1	-999999.0	REAL	percent	0	The amount of upward inclination between the horizontal surface of the mean water level of a watercourse where it touches the bank and the top of the first usable break in slope, measured at the same point on the upper bank as the military gap width. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> -999999.0						
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Bank Orientation (first bank)	1	No Information	Enumeration	Unitless	0	The relative orientation of a bank of an inland waterbody based on the direction of predominant water flow in the adjacent waterbody.
<i>allowed values:</i> Indeterminate			Left			No Flow
<i>allowed values:</i> Other			Right			No Information
<i>allowed values:</i> Indeterminate			Left			No Flow
<i>allowed values:</i> Other			Right			No Information
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
<i>allowed values:</i> Bedrock			Clay and Silt			Concrete
<i>allowed values:</i> No Information			Other			Paved
<i>allowed values:</i> Sand			Sand and Gravel			Sand over Mud
<i>allowed values:</i> Soil						
<i>allowed values:</i> Bedrock			Clay and Silt			Concrete
<i>allowed values:</i> Gravel and Cobble			Masonry			No Information
<i>allowed values:</i> Paved			Peat			Reinforced Concrete
<i>allowed values:</i> Sand			Sand and Gravel			Sand over Mud
<i>allowed values:</i> Slash			Soil			
<i>allowed values:</i> Bedrock			Clay and Silt			Concrete
<i>allowed values:</i> Gravel and Cobble			Masonry			No Information
<i>allowed values:</i> Paved			Peat			Reinforced Concrete
<i>allowed values:</i> Sand			Sand and Gravel			Sand over Mud
<i>allowed values:</i> Slash			Soil			
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						

Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<u>allowed values:</u> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other			Joint Military and Civilian Private	Military Public	No Information	
Covered Drain	1	No Information	Boolean	Unitless	0	An indication that a watercourse section is completely covered over and connects to uncovered watercourses at each end.
<u>allowed values:</u> False			No Information	True		
Covered Drain Length	1	-999999.0	Real	Metre	0	The length of a watercourse section that is completely covered over and connects to uncovered watercourses at each end.
<u>allowed values:</u> -999999.0						
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<u>allowed values:</u> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<u>allowed values:</u> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
New Feature Code	1	NM140	CONSTRAINED_ STRING	Unitless	5	Feature Code
<u>allowed values:</u> NM140						
Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.
<u>allowed values:</u> -999999						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information			Other			
Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.	
<i>allowed values:</i> -999999.0							
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.	
<i>allowed values:</i> Dry			Intermittent			No Information	Perennial
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigability Information	1	No Information	Enumeration	Unitless	0	Information about the navigability of a body of water by ocean-going and/or large vessels. [Description] Navigability is not intended to include jet skis, motorboats or other recreational craft.	
<i>allowed values:</i> Navigable No Information			Navigable and Operational Not Navigable			Navigable but Abandoned Other	Navigable with Periodic Restrictions
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).	
<i>allowed values:</i> -999999.0							
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.	
<i>allowed values:</i> -999999.0							
Predominant Average Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.	
<i>allowed values:</i> -999999.0							
Predominant Maximum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
<i>allowed values:</i> -999999.0							
Predominant Maximum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.	
<i>allowed values:</i> -999999.0							
Predominant Minimum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.	
<i>allowed values:</i> -999999.0							
Predominant Minimum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.	
<i>allowed values:</i> -999999.0							

Predominant Water Depth	1	-999999.0	REAL	metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> -999999.0						
Inland Waterbody Bank : Predominant Waterbody Bank Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant height (the height of at least 50 percent) of the bank, measured from mean water level to the first break in slope above the mean water level.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Inland Waterbody Bank : Predominant Waterbody Bank Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The predominant slope (the slope of at least 50 percent) of the bank, measured from mean water level to the first accessible break in slope above the mean water level. [Description] The (percent) slope is determined as the change in depth divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Inland Waterbody Bank : Shoreline Delineated (first bank)	1	No Information	Boolean	Unitless	0	An indication that the delineation of a shoreline is definite. [Description] The delineation of the shoreline along a beach is typically definite whereas along a mangrove swamp it is typically indefinite.
<i>allowed values:</i> False			No Information			True
<i>allowed values:</i> False			No Information			True
Inland Waterbody Bank : Shoreline Type (first bank)	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Marshy Sandy			Erosion Rubble Mud Shingly			Ice No Information Stony Mangrove Other

<i>allowed values:</i>	Building Rubble Marshy Sandy		Erosion Rubble Mud Shingly		Ice No Information Stony		Mangrove Other
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.	
<i>allowed values:</i>	noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.	
<i>allowed values:</i>	-999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.	
<i>allowed values:</i>	-999999.0						
Terrain Gap Width	1	-999999.0	REAL	metre	0	The minimum horizontal bridging distance necessary to cross a channel. [Description] The width is measured perpendicular to the direction of water flow from bank to bank, at the first usable break in slope on each side of the channel above mean high water. Usable banks are those accessible by vehicles; small unusable ledges and cliffs are not considered usable breaks in slopes.	
<i>allowed values:</i>	-999999.0						
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.	
<i>allowed values:</i>	False		No Information		True		
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.	
<i>allowed values:</i>	-999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	
<i>allowed values:</i>	noInformation						
<i>allowed values:</i>	pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.	
<i>allowed values:</i>	Below Ground Surface		No Information		On Surface		
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.	
<i>allowed values:</i>	-999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.	
<i>allowed values:</i>	-999999.0						
New Water Resource Information : Water Flow Rate Category	1	No Information	Enumeration	Unitless	0	Value used to categorize streams, canals, rivers and other flowing water given the quantity of water flow. The categories correspond to specifications for water purification units in order to allow for quick identification of areas of water flow that are most suitable for placement of water purification equipment.	
<i>allowed values:</i>	Large Small		Moderate		No Information		Other

	Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
	<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
New	Water Resource Information : Water Pump Accessibility	1	No Information	Enumeration	Unitless	0	The approachable or easily entered side of a water source where portable equipment including pumps and pipes may be placed into the water source and used with nearby portable equipment. [Description] Provides an indication of whether it is possible access the water for the purpose of connecting portable water pumping equipment to temporary purification units. Accessibility must meet distance requirements in the transport of water: 100 m horizontal and 10 m vertical.
	<i>allowed values:</i> From All Sides From Right No Information			From East From South			From Left From West From North No Accessibility
New	Water Resource Information : Water Stage	1	No Information	Enumeration	Unitless	0	The flow stage of a stream or canal.
	<i>allowed values:</i> High Other			Low			Mean No Information
	Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
	<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other
	Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
	<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational
	Inland Waterbody Bank : Waterbody Bank Height (first bank)	1	-999999.0	REAL	metre	0	The height of the waterbody bank above the average water level.
	<i>allowed values:</i> -999999.0						
	<i>allowed values:</i> -999999.0						
	Inland Waterbody Bank : Waterbody Bank Vegetation Cover (first bank)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of vegetation cover on the bank of a watercourse.
	<i>allowed values:</i> [-999999.0, -999999.0]						
	<i>allowed values:</i> [-999999.0, -999999.0]						
	Watercourse Channel Type	1	No Information	Enumeration	Unitless	0	The type of trough-like depression that is normally occupied by a watercourse.
	<i>allowed values:</i> Braided Stream Normal Channel			Channelized Stream Other			Gorge Wadi No Information
	Watercourse Morphology	1	No Information	Enumeration	Unitless	0	The type of a watercourse based on its shape and/or configuration.
	<i>allowed values:</i> Abandoned Confluence Meander Pool			Anabranch Cut-off Mouth Reach			Bend Distributary No Information Canalized Headwaters Other

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: RiverAON (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RiverAON (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 RiverAON (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 RiverAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RiverAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RiverAON (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RiverAON (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RiverAON (Area) - is a member of group - Exactly one - HydrographyAON (FeatureGroup)
 RiverAON (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)

Feature Road (Area)

New ☐ Road

A route with a specially prepared surface that is intended for use by wheeled vehicles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Centerline Spacing	1	-999999.0	REAL	metre	0	The distance between the centrelines of the two travelled ways of a divided highway.
<i>allowed values:</i> -999999.0						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian No Information Tribal			Joint Military and Civilian Other			Military Private Municipal Public
Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
<i>allowed values:</i> -999999						
Divided	1	No Information	Boolean	Unitless	0	An indication that the lanes or tracks in a land transportation route (for example: a road or a railway), are horizontally separated (for example: by a median strip) and not adjoining. [Description] May be used to indicate the separation of opposing flows of traffic in order to improve safety or to meet route engineering restrictions by some means. For example, the two travelled ways of a divided highway may pass at different elevations along the side of a mountain or may diverge when passing around significant engineering obstacles (for example: rocky outcrops).
<i>allowed values:</i> False			No Information			True
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.

<i>allowed values:</i> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational						
Non-operational Planned						
Not in Operation Temporarily Non-operational						
Operational						
New Feature Code	1	AP030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> <i>AP030</i>						
Feature Configuration	1	No Information	Enumeration	Unitless	0	The type of multiplicity and/or configuration of a feature.
<i>allowed values:</i> Divided Different						
Divided Same						
No Information						
Non-divided						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> <i>noInformation</i>						
Flight Strip Capable	1	No Information	Boolean	Unitless	0	An indication that a road is designed to support emergency (for example: national defence) use as a runway. [Description] Ideally, oriented in the direction of the prevailing wind.
<i>allowed values:</i> <i>False</i>						
No Information						
<i>True</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original						
Historical Original						
No Information						
Unverified Transliterated						
Historical Transliterated						
Other						
Native Original						
Provisional						
Variant Original						
Variant Transliterated						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999.0</i>						
Median Present	1	No Information	Boolean	Unitless	0	An indication that the lanes or tracks of a divided land transportation route (for example: a road or a railway) are separated by a vertical median barrier. [Description] Often used to separate opposing flows of traffic in order to improve safety. For example, may be a substantial concrete barrier of approximately 1 metre height.
<i>allowed values:</i> <i>False</i>						
No Information						
<i>True</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

One-way	1	No Information	Boolean	Unitless	0	An indication that a thoroughfare is intended to be used only in a single direction. [Description] For example, a metropolitan street grid may include streets designated for one-way use in order to improve traffic flow; usually there is a paired parallel street nearby designated for one-way use in the opposite direction. A thoroughfare is a public way, unobstructed and forming a route (for example: a road or a path) between two places.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed Raised			Level			No Information Not Applicable
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
New Road Interchange Ramp	1	No Information	Boolean	Unitless	0	An indication that a road serves as a section of a road interchange, providing traffic access from one through road to another, but does not itself carry through traffic. [Description] Through roads normally are located on separate vertical levels, thus affording uninterrupted traffic flow, with at least one road being supported by a bridge and the other proceeding through an underpass. In the case of a rotary interchange on a single level there is no uninterrupted through route, therefore all traffic flows pass along road interchange ramps.
<i>allowed values:</i> False			No Information			True
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.

	<i>allowed values:</i> All-weather No Information		Closed in Winter Other			Fair-weather Winter Only	Limited All-weather
New	Roadway Type	1	No Information	Enumeration	Unitless	0	The type of a roadway based on its design and/or location.
	<i>allowed values:</i> Limited Access Motorway Road		Motorway Street			No Information	Other
	Route Identification <route designation>	3	No Information	String	Unitless	24	The official type(s) and/or designation(s) assigned to a route. [Description] A road network may be identified in accordance with a specified typing scheme (for example: based the nature of service that it is intended to provide) and numbering scheme (for example: composed of a prefix indicating an administrative region and then a number).
	<i>allowed values:</i> No Information						
	Route Identification <route designation type>	3	No Information	Enumeration	Unitless	0	The type of designation of a road network according to the nature of service that it is intended to provide, as designated by international, national and/or other administrative authorities.
	<i>allowed values:</i> International No Information		Local Other			National Secondary	National Motorway
	Route Median Width	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The width of a divider that separates adjacent route lanes or tracks in a land transportation route. [Description] The adjacent route lanes may carry traffic in opposing directions (for example: a divided highway or a dual track railway) or in the same direction (for example: a high-speed 'thru' lane and a local collector/distributor lane).
	<i>allowed values:</i> [-999999.0, -999999.0]						
	Route Pavement Information : Route Minimum Travelled Way Width	1	-999999.0	REAL	metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.
	<i>allowed values:</i> -999999.0						
	Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
	<i>allowed values:</i> Aggregate Brick Flexible Pavement No Information Stabilized Earth		Asphalt Cobble-stone Ice Other Unimproved			Asphalt over Concrete Concrete Macadam Rigid Pavement Wood	Bound Surface Corduroy Metal Snow Wood Plank
	Route Total Usable Width	1	-999999.0	REAL	metre	0	The total usable width of the travelled way of a route. [Description] Includes pavements and shoulders.
	<i>allowed values:</i> -999999.0						
New	Sinuosity	1	-999999.0	Real	Metres	0	The actual path length divided by the shortest path length of a section of the road or trail allowing for estimates of speed given the curves of the roadway. [Description] This allows for routing algorithms to more precisely estimate the speed.
	<i>allowed values:</i> -999999.0						
	Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
	<i>allowed values:</i> noInformation						
	Speed Limit (KPH)	1	-999999.0	Real	Kilometre per Hour	0	The maximum vehicle speed legally permitted, expressed in kilometres per hour.
	<i>allowed values:</i> -999999.0						
	Speed Limit (MPH)	1	-999999.0	Real	Statute Mile per Hour	0	The maximum vehicle speed legally permitted, expressed in miles per hour.
	<i>allowed values:</i> -999999.0						
	Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
	<i>allowed values:</i> False		No Information			True	

Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0] -999999.0						
Feature Metadata : Survey Coverage Category	1	No Information	Enumeration	Unitless	0	A general evaluation of the coverage quality of a survey, as a category. [Description] See possibly accompanying Attribute: 'Position Quality Category' for additional survey-related information.
<i>allowed values:</i> Inadequately Surveyed No Information Surveyed Unsurveyed						
Through Route	1	No Information	Boolean	Unitless	0	An indication that a ground transportation route (for example: road, cart track or trail) is the most direct way through (both into and then out of) a built-up area or populated place. [Description] Routes may branch off of the main through route providing an alternate through route out of the built-up area or populated place. The direct or alternate ways through a built-up area or populated place may consist of the quickest or shortest route. A through route may have devices (for example: traffic lights) to control traffic flow.
<i>allowed values:</i> False No Information True						
Track or Lane Count	1	-999999	Integer	unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
<i>allowed values:</i> -999999						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Below Ground Surface No Information On Surface On Waterbody Bottom						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Width of Second Travelled Way	1	-999999.0	REAL	metre	0	The width of a second travelled way that is the lesser width of the two travelled ways in a divided highway.
<i>allowed values:</i> -999999.0						

Relationships: Road (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Road (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Road (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Road (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Road (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Road (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Road (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Road (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Road (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature Road (Line)

New ☐ Road

A route with a specially prepared surface that is intended for use by wheeled vehicles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Centerline Spacing	1	-999999.0	REAL	metre	0	The distance between the centrelines of the two travelled ways of a divided highway.
<i>allowed values:</i> -999999.0						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian No Information Tribal			Joint Military and Civilian Other			Military Private Municipal Public
Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
<i>allowed values:</i> -999999						
Divided	1	No Information	Boolean	Unitless	0	An indication that the lanes or tracks in a land transportation route (for example: a road or a railway), are horizontally separated (for example: by a median strip) and not adjoining. [Description] May be used to indicate the separation of opposing flows of traffic in order to improve safety or to meet route engineering restrictions by some means. For example, the two travelled ways of a divided highway may pass at different elevations along the side of a mountain or may diverge when passing around significant engineering obstacles (for example: rocky outcrops).
<i>allowed values:</i> False			No Information			True
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AP030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP030						
Feature Configuration	1	No Information	Enumeration	Unitless	0	The type of multiplicity and/or configuration of a feature.
<i>allowed values:</i> Divided Different			Divided Same			No Information Non-divided
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Flight Strip Capable	1	No Information	Boolean	Unitless	0	An indication that a road is designed to support emergency (for example: national defence) use as a runway. [Description] Ideally, oriented in the direction of the prevailing wind.
<i>allowed values:</i> False			No Information			True
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Median Present	1	No Information	Boolean	Unitless	0	An indication that the lanes or tracks of a divided land transportation route (for example: a road or a railway) are separated by a vertical median barrier. [Description] Often used to separate opposing flows of traffic in order to improve safety. For example, may be a substantial concrete barrier of approximately 1 metre height.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
One-way	1	No Information	Boolean	Unitless	0	An indication that a thoroughfare is intended to be used only in a single direction. [Description] For example, a metropolitan street grid may include streets designated for one-way use in order to improve traffic flow; usually there is a paired parallel street nearby designated for one-way use in the opposite direction. A thoroughfare is a public way, unobstructed and forming a route (for example: a road or a path) between two places.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed Raised			Level			No Information Not Applicable

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
New Road Interchange Ramp	1	No Information	Boolean	Unitless	0	An indication that a road serves as a section of a road interchange, providing traffic access from one through road to another, but does not itself carry through traffic. [Description] Through roads normally are located on separate vertical levels, thus affording uninterrupted traffic flow, with at least one road being supported by a bridge and the other proceeding through an underpass. In the case of a rotary interchange on a single level there is no uninterrupted through route, therefore all traffic flows pass along road interchange ramps.
<i>allowed values:</i> False			No Information			True
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.
<i>allowed values:</i> All-weather No Information			Closed in Winter Other			Fair-weather Winter Only Limited All-weather
New Roadway Type	1	No Information	Enumeration	Unitless	0	The type of a roadway based on its design and/or location.
<i>allowed values:</i> Limited Access Motorway Road			Motorway Street			No Information Other
Route Identification <route designation>	3	No Information	String	Unitless	24	The official type(s) and/or designation(s) assigned to a route. [Description] A road network may be identified in accordance with a specified typing scheme (for example: based the nature of service that it is intended to provide) and numbering scheme (for example: composed of a prefix indicating an administrative region and then a number).
<i>allowed values:</i> No Information						
Route Identification <route designation type>	3	No Information	Enumeration	Unitless	0	The type of designation of a road network according to the nature of service that it is intended to provide, as designated by international, national and/or other administrative authorities.
<i>allowed values:</i> International No Information			Local Other			National Secondary National Motorway

Route Median Width	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The width of a divider that separates adjacent route lanes or tracks in a land transportation route. [Description] The adjacent route lanes may carry traffic in opposing directions (for example: a divided highway or a dual track railway) or in the same direction (for example: a high-speed 'thru' lane and a local collector/distributor lane).																				
<u>allowed values:</u> [-999999.0, -999999.0]																										
Route Pavement Information : Route Minimum Travelled Way Width	1	-999999.0	REAL	metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.																				
<u>allowed values:</u> -999999.0																										
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.																				
<u>allowed values:</u> <table><tr><td>Aggregate</td><td>Asphalt</td><td>Asphalt over Concrete</td><td>Bound Surface</td></tr><tr><td>Brick</td><td>Cobble-stone</td><td>Concrete</td><td>Corduroy</td></tr><tr><td>Flexible Pavement</td><td>Ice</td><td>Macadam</td><td>Metal</td></tr><tr><td>No Information</td><td>Other</td><td>Rigid Pavement</td><td>Snow</td></tr><tr><td>Stabilized Earth</td><td>Unimproved</td><td>Wood</td><td>Wood Plank</td></tr></table>							Aggregate	Asphalt	Asphalt over Concrete	Bound Surface	Brick	Cobble-stone	Concrete	Corduroy	Flexible Pavement	Ice	Macadam	Metal	No Information	Other	Rigid Pavement	Snow	Stabilized Earth	Unimproved	Wood	Wood Plank
Aggregate	Asphalt	Asphalt over Concrete	Bound Surface																							
Brick	Cobble-stone	Concrete	Corduroy																							
Flexible Pavement	Ice	Macadam	Metal																							
No Information	Other	Rigid Pavement	Snow																							
Stabilized Earth	Unimproved	Wood	Wood Plank																							
Route Total Usable Width	1	-999999.0	REAL	metre	0	The total usable width of the travelled way of a route. [Description] Includes pavements and shoulders.																				
<u>allowed values:</u> -999999.0																										
New Sinuosity	1	-999999.0	Real	Metres	0	The actual path length divided by the shortest path length of a section of the road or trail allowing for estimates of speed given the curves of the roadway. [Description] This allows for routing algorithms to more precisely estimate the speed.																				
<u>allowed values:</u> -999999.0																										
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.																				
<u>allowed values:</u> noInformation																										
Speed Limit (KPH)	1	-999999.0	Real	Kilometre per Hour	0	The maximum vehicle speed legally permitted, expressed in kilometres per hour.																				
<u>allowed values:</u> -999999.0																										
Speed Limit (MPH)	1	-999999.0	Real	Statute Mile per Hour	0	The maximum vehicle speed legally permitted, expressed in miles per hour.																				
<u>allowed values:</u> -999999.0																										
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.																				
<u>allowed values:</u> <table><tr><td>False</td><td>No Information</td><td>True</td></tr></table>							False	No Information	True																	
False	No Information	True																								
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.																				
<u>allowed values:</u> [-999999.0, -999999.0]																										
Feature Metadata : Survey Coverage Category	1	No Information	Enumeration	Unitless	0	A general evaluation of the coverage quality of a survey, as a category. [Description] See possibly accompanying Attribute: 'Position Quality Category' for additional survey-related information.																				
<u>allowed values:</u> <table><tr><td>Inadequately Surveyed</td><td>No Information</td><td>Surveyed</td><td>Unsurveyed</td></tr></table>							Inadequately Surveyed	No Information	Surveyed	Unsurveyed																
Inadequately Surveyed	No Information	Surveyed	Unsurveyed																							

Through Route	1	No Information	Boolean	Unitless	0	An indication that a ground transportation route (for example: road, cart track or trail) is the most direct way through (both into and then out of) a built-up area or populated place. [Description] Routes may branch off of the main through route providing an alternate through route out of the built-up area or populated place. The direct or alternate ways through a built-up area or populated place may consist of the quickest or shortest route. A through route may have devices (for example: traffic lights) to control traffic flow.
<i>allowed values:</i> False			No Information			True
Track or Lane Count	1	-999999	Integer	unitless	0	The total number of independent, parallel paths (for example: a railway track and/or a road lane) in both directions within a route.
<i>allowed values:</i> -999999						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Below Ground Surface			No Information			On Surface On Waterbody Bottom
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Width of Second Travelled Way	1	-999999.0	REAL	metre	0	The width of a second travelled way that is the lesser width of the two travelled ways in a divided highway.
<i>allowed values:</i> -999999.0						

Relationships: Road (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Road (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Road (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Road (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Road (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Road (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Road (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Road (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Road (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Road (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Road (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Road (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature RoadInterchange (Point)

New ☐ Road Interchange

A system of interconnecting roads (sometimes called ramps) located at a road junction that provides for the free movement of traffic between two or more routes on different levels. [Description] A road interchange utilizes grade separation and bridges to permit traffic on at least one road to pass through the junction without directly crossing any other traffic stream.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
	<i>allowed values:</i> False			No Information			True
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AP020	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AP020						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> <i>U</i>						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> <i>noInformation</i>						
Road Interchange Type	1	No Information	Enumeration	Unitless	0	The type of physical arrangement of a road interchange.
<i>allowed values:</i> Cloverleaf Other Symmetrical Ramps			Diamond Rotary Trumpet			Fork Staggered Ramps Turban No Information Standard Ramps Wye
Route Identification <route designation>	3	No Information	String	Unitless	24	The official type(s) and/or designation(s) assigned to a route. [Description] A road network may be identified in accordance with a specified typing scheme (for example: based the nature of service that it is intended to provide) and numbering scheme (for example: composed of a prefix indicating an administrative region and then a number).
<i>allowed values:</i> No Information						
Route Identification <route designation type>	3	No Information	Enumeration	Unitless	0	The type of designation of a road network according to the nature of service that it is intended to provide, as designated by international, national and/or other administrative authorities.
<i>allowed values:</i> International No Information			Local Other			National Secondary National Motorway

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: RoadInterchange (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RoadInterchange (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 RoadInterchange (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 RoadInterchange (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RoadInterchange (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RoadInterchange (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RoadInterchange (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RoadInterchange (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 RoadInterchange (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 RoadInterchange (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 RoadInterchange (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 RoadInterchange (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature RoadsideRestArea (Area)

New ☐ Roadside Rest Area

A roadside place usually having facilities for people and/or vehicles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

	<i>allowed values:</i>	Civilian Other		Joint Military and Civilian Private		Military Public	No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i>	noInformation					
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i>	No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AQ135	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	AQ135					
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i>	Convenience Store No Information Restroom		Food Service Other Retail Telecommunications		Meeting Place Petrol Sale	Navigation Restaurant
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i>	noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i>	No Information		Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999.0					

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
<i>allowed values:</i>	Aggregate		Asphalt			Asphalt over Concrete
	Brick		Cobble-stone			Concrete
	Flexible Pavement		Ice			Macadam
	No Information		Other			Rigid Pavement
	Stabilized Earth		Unimproved			Wood
						Bound Surface
						Corduroy
						Metal
						Snow
						Wood Plank

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: RoadsideRestArea (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RoadsideRestArea (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 RoadsideRestArea (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 RoadsideRestArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RoadsideRestArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RoadsideRestArea (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RoadsideRestArea (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RoadsideRestArea (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 RoadsideRestArea (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 RoadsideRestArea (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature RoadsideRestArea (Point)

New ☐ Roadside Rest Area

A roadside place usually having facilities for people and/or vehicles.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.

<u>allowed values:</u> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other Joint Military and Civilian Private Military Public No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AQ135	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AQ135						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Convenience Store No Information Restroom Food Service Other Retail Telecommunications Meeting Place Petrol Sale Navigation Restaurant						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False							
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
<i>allowed values:</i> Aggregate Brick Flexible Pavement No Information Stabilized Earth			Asphalt Cobble-stone Ice Other Unimproved			Asphalt over Concrete Concrete Macadam Rigid Pavement Wood Bound Surface Corduroy Metal Snow Wood Plank
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: RoadsideRestArea (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RoadsideRestArea (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 RoadsideRestArea (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 RoadsideRestArea (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RoadsideRestArea (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RoadsideRestArea (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RoadsideRestArea (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RoadsideRestArea (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 RoadsideRestArea (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 RoadsideRestArea (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature RockFormation (Area)New ☐ Rock Formation**A significant outcropping of exposed bedrock.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	DB160	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB160						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon ("."), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Predominant Feature Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Rock Formation Structure	1	No Information	Enumeration	Unitless	0	The structure of a significant outcropping of exposed rock.
<i>allowed values:</i> Columnar Other			Fossilized Forest Pinnacle			Needle No Information
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: RockFormation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RockFormation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 RockFormation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 RockFormation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RockFormation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RockFormation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RockFormation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RockFormation (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 RockFormation (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 RockFormation (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 RockFormation (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 RockFormation (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature RockFormation (Point)New ☐ Rock Formation**A significant outcropping of exposed bedrock.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
New Feature Code	1	DB160	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> DB160
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set. <i>allowed values:</i> noInformation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end. <i>allowed values:</i> No Information
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2 <i>allowed values:</i> No Information
			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Predominant Feature Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Rock Formation Structure	1	No Information	Enumeration	Unitless	0	The structure of a significant outcropping of exposed rock.
<i>allowed values:</i> Columnar Other			Fossilized Forest Pinnacle			Needle No Information
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: RockFormation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 RockFormation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 RockFormation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 RockFormation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 RockFormation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 RockFormation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 RockFormation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 RockFormation (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 RockFormation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 RockFormation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 RockFormation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 RockFormation (Point) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup)

Feature Roundhouse (Area)New ☐ Roundhouse

A circular or semicircular building, with a railway turntable in the centre, used for storing and/or repairing railway locomotives. [Description] The railway turntable may be either completely covered, partially covered or not covered, and partially or completely surrounded by the building.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AN076	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AN076						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> No Information Warehousing and Storage			Other			Railway Transport Railway Vehicle Repair

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Track Information : Railway Gauge	1	-999999.0	REAL	metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i>	-999999.0					
Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
<i>allowed values:</i>	Broad		Narrow			No Information Standard
Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<i>allowed values:</i>	Electrified Track Overhead Electrified		No Information			Non-electrified Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i>	Conical No Information Pyramidal		Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
allowed values: noInformation						
Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.
allowed values: Crane Track Ladder Track Other Team Track			Drill Track Maglev Paired Track		House Track Monorail Rip Track	Joint Track No Information Stub Track
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
allowed values: noInformation						
allowed values: pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
allowed values: Adobe Brick Other Wood			Concrete Prestressed Concrete		Masonry Reinforced Concrete	No Information Steel
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
allowed values: noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Roundhouse (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Roundhouse (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Roundhouse (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Roundhouse (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Roundhouse (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Roundhouse (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Roundhouse (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Roundhouse (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Roundhouse (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Roundhouse (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Roundhouse (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature Roundhouse (Point)

New ☐ Roundhouse

A circular or semicircular building, with a railway turntable in the centre, used for storing and/or repairing railway locomotives. [Description] The railway turntable may be either completely covered, partially covered or not covered, and partially or completely surrounded by the building.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AN076	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AN076						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> No Information Warehousing and Storage			Other			Railway Transport Railway Vehicle Repair
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Track Information : Railway Gauge	1	-999999.0	REAL	metre	0	The distance between a single pair of rails of a railway, measured along the shortest distance from inside rail to inside rail.
	<u>allowed values:</u> -999999.0						
	Track Information : Railway Gauge Classification	1	No Information	Enumeration	Unitless	0	The classification of a railway based on the distance between a single pair of rails, measured along the shortest distance from inside rail to inside rail.
	<u>allowed values:</u> Broad			Narrow			No Information Standard

Track Information : Railway Power Method	1	No Information	Enumeration	Unitless	0	The method by which electrical power is distributed on a railway, if any.
<i>allowed values:</i> Electrified Track Overhead Electrified			No Information			Non-electrified Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Track Information : Track Type	1	No Information	Enumeration	Unitless	0	The type of function, configuration, and/or management of a railway track.

allowed values: Crane Track
Ladder Track
Other
Team Track

Drill Track
Maglev
Paired Track

House Track
Monorail
Rip Track

Joint Track
No Information
Stub Track

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
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allowed values: Adobe Brick
Other
Wood

Concrete
Prestressed Concrete

Masonry
Reinforced Concrete

No Information
Steel

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Roundhouse (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Roundhouse (Point) - has dataset metadata in - Zero or one - Dataset (Area)
Roundhouse (Point) - has dataset metadata in - Zero or one - Dataset (Table)
Roundhouse (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Roundhouse (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Roundhouse (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Roundhouse (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Roundhouse (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
Roundhouse (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Roundhouse (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Roundhouse (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Roundhouse (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature Ruins (Area)

New ☐ Ruins

The deteriorated remains of an unspecified structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	AL200	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL200						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> <div>Conventional Native Transliterated Unverified Original</div>			<div>Historical Original No Information Unverified Transliterated</div>			<div>Historical Transliterated Other Variant Original</div> <div>Native Original Provisional Variant Transliterated</div>
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: *-999999.0*

Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i>	At Shoreline		Inland			No Information Offshore
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	False		No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Ruins (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Ruins (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Ruins (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Ruins (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Ruins (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Ruins (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Ruins (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Ruins (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Ruins (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Ruins (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Ruins (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Ruins (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature Ruins (Point)

New ☐ Ruins

The deteriorated remains of an unspecified structure.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AL200	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL200						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Other							
Historical Original							
Historical Transliterated							
Native Original							
Other							
Provisional							
Variant Original							
Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<u>allowed values:</u> At Shoreline							
Inland							
No Information							
Offshore							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Ruins (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Ruins (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Ruins (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Ruins (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Ruins (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Ruins (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Ruins (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Ruins (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Ruins (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Ruins (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Ruins (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Ruins (Point) - is a member of group - Exactly one - CulturePnt (FeatureGroup)

Feature Runway (Area) New ☐ Runway

A defined rectangular area on a land aerodrome prepared for the landing and take-off of aircraft.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Pavement Information : Aerodrome Movement Area Surface Category	1	No Information	Enumeration	Unitless	0	The level of preparation of the aerodrome movement area surface, as a category. [Description] Common category types may range from natural to completely paved.
<i>allowed values:</i> Completely Paved Partially Paved			Mostly Paved Unpaved			No Information Unprepared Other
Aerodrome Pavement Information : Aerodrome Movement Area Surface Composition	3	No Information	Enumeration	Unitless	0	The type of the predominant material of which a surface of the movement area is composed. [Description] Example surfaces include: asphalt, concrete, or grass.
<i>allowed values:</i> Asphalt Clay Gravel Macadam Other Stone			Asphalt Over Concrete Concrete Ice Membrane Pierced Steel Planking Water			Bituminous Mix Coral Landing Mat No Information Sand Wood Brick Earthen Laterite Non-bituminous Mix Snow
Aerodrome Pavement Information : Aerodrome Movement Area Surface Preparation Method	3	No Information	Enumeration	Unitless	0	The preparation technique(s) applied to a surface composition.
<i>allowed values:</i> Aggregate Seal Coat No Information Rolled			Graded Oiled Rubberized Seal Coat			Grass Other Grooved Porous Friction Course
Aerodrome Pavement Information : Aerodrome Pavement Functional Status	1	No Information	Enumeration	Unitless	0	The functional status of the pavement of an aerodrome movement area. [Description] An aerodrome movement area is that part of an aerodrome to be used for aircraft movement operations, consisting of the manoeuvring area and the apron(s).
<i>allowed values:</i> Excellent Good Estimated Under Construction			Fair No Information Unserviceable			Fair Estimated Poor Good Poor Estimated

	Aerodrome Surface Status	1	No Information	Enumeration	Unitless	0	The operational status of an aerodrome movement area, as a category. [Description] For example: serviceable, unserviceable, closed, or work-in-progress.
	<i>allowed values:</i> Closed Work in Progress		No Information				Open Parked or Disabled Aircraft
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other		Joint Military and Civilian Private				Military Public No Information
	Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
	<i>allowed values:</i> -999999						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational		Non-operational Planned				Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	GB055	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> GB055						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information		Other				
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC	
<i>allowed values:</i> noInformation							

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Runway Direction : Runway Designator (high end)	1	noInformation	StructuredText	Unitless	14	The designator of the runway that is used to uniquely identify it at an aerodrome. [Description] This may be used to identify either both directions of the runway (for example: '09/27' or '02R/20L') or one direction independently (for example: '27', '35L', '01R'). [DatatypeSpecification] A structured text value specifying a runway designator. [EncodingSpecification] The structure is composed of the two digit runway identifier with suffix of 'L' (left), 'R' (right), 'C' (center) and if denoting both directions separated by a back slash ('\').
<i>allowed values:</i> noInformation						
<i>allowed values:</i> noInformation						
Runway Direction (high end) : Runway True Heading (high)	1	-999999.0	Real	Arc Degree	0	The true heading of a runway.
<i>allowed values:</i> -999999.0						
<i>allowed values:</i> -999999.0						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
New Surface Permanence	1	No Information	Enumeration	Unitless	0	The permanence of the surface material.
<i>allowed values:</i> Natural			No Information			Permanent Temporary
Runway Direction : Surface Slope (high end)	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						
<i>allowed values:</i> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Runway (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Runway (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Runway (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Runway (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Runway (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Runway (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Runway (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Runway (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Runway (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Runway (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Runway (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Runway (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature Sabkha (Area)

New ☐ Sabkha

A natural depression in arid or semi-arid regions whose bed is covered with salt encrusted clayey soil. [Description] Found especially in North Africa and Arabia.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BH160	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH160						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<i>allowed values:</i> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information			Other			
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
	<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Sabkha (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Sabkha (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Sabkha (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Sabkha (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Sabkha (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Sabkha (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Sabkha (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Sabkha (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Sabkha (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Sabkha (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Sabkha (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Sabkha (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature SabkhaAON (Area)

New ☒ Sabkha Area of Numerous

Area of numerous natural depressions in arid or semi-arid regions whose beds are covered with salt encrusted clayey soil.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	NM160	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> NM160						
Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.
<i>allowed values:</i> -999999						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SabkhaAON (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SabkhaAON (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SabkhaAON (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SabkhaAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SabkhaAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SabkhaAON (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SabkhaAON (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SabkhaAON (Area) - is a member of group - Exactly one - PhysiographyAON (FeatureGroup)
 SabkhaAON (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)

Feature SaltEvaporator (Area) New ☐ Salt Evaporator

Shallow pools, normally man-made, used for the natural evaporation of water for the collection of salt.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH155	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH155						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Other							
Historical Original No Information Unverified Transliterated							
Historical Transliterated Other Variant Original							
Native Original Provisional Variant Transliterated							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
<u>allowed values:</u> False							
No Information							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False							
No Information							
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<u>allowed values:</u> Construction Intact							
Damaged No Information							
Destroyed Unmaintained							
Dismantled							

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SaltEvaporator (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SaltEvaporator (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SaltEvaporator (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SaltEvaporator (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SaltEvaporator (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SaltEvaporator (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SaltEvaporator (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SaltEvaporator (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SaltEvaporator (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SaltEvaporator (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SaltEvaporator (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SaltEvaporator (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature SaltEvaporator (Point) New ☐ Salt Evaporator

Shallow pools, normally man-made, used for the natural evaporation of water for the collection of salt.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH155	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH155						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0						
Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
allowed values: False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
allowed values: Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
allowed values: U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values: No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: SaltEvaporator (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SaltEvaporator (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 SaltEvaporator (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 SaltEvaporator (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SaltEvaporator (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SaltEvaporator (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SaltEvaporator (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SaltEvaporator (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SaltEvaporator (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SaltEvaporator (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature SaltFlat (Area)New ☐ Salt Flat

A flat area of natural surface salt deposits. [Description] May also be used to describe smaller areas; these are commonly termed salt pans.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BH150	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH150						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISNonIC	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISOwnerProducer	
<i>allowed values:</i> noInformation							

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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allowed values: Evaporite
Soil

No Information

Other

Sand

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SaltFlat (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SaltFlat (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SaltFlat (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SaltFlat (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SaltFlat (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SaltFlat (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SaltFlat (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SaltFlat (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SaltFlat (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SaltFlat (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SaltFlat (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SaltFlat (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature SandDunes (Area)

New ☐ Sand Dunes

One or more mounds or ridges of sand usually formed by the wind.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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	<i>allowed values:</i> <i>noInformation</i>						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> <i>[-999999, -999999]</i>						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> <i>noInformation</i>						
New	Feature Code	1	DB170	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> <i>DB170</i>						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> <i>noInformation</i>						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> <i>No Information</i>						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> <i>No Information</i>			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original <i>No Information</i> Unverified Transliterated		Historical Transliterated <i>Other</i> Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> <i>-999999.0</i>						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> <i>-999999.0</i>						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> <i>-999999.0</i>						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> <i>No Information</i>						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Sand Dune Orientation	1	-999999.0	REAL	arcDegree	0	The characteristic direction of the steep slope face from the crest of a sand dune. [Description] Normally, the angular distance measured from true north (0 degrees) clockwise to the direction of the steep slope face in the downwind direction (0-360 degrees).
<i>allowed values:</i> -999999.0						
Sand Dune Stabilized	1	No Information	Boolean	Unitless	0	An indication that the height and location of a sand dune, or area of sand dunes, is unchanging. [Description] The dune(s) are usually vegetated and in consequence they are relatively unaffected by the scouring action of local winds.
<i>allowed values:</i> False			No Information			True
Sand Dune Type	1	No Information	Enumeration	Unitless	0	The type of a sand dune based on its shape and/or structure.
<i>allowed values:</i> Crescent No Information Star			Dome Other Transverse			Dome and Transverse Parabolic Linear Ripple

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SandDunes (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SandDunes (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SandDunes (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SandDunes (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SandDunes (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SandDunes (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SandDunes (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SandDunes (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SandDunes (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SandDunes (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SandDunes (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SandDunes (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature Scoreboard (Point)

New ☐ Scoreboard

A large outdoor board for publicly displaying the score in an athletic event. [Description] Usually associated with a sports stadium or major playing field.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AK161	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AK161						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
<i>allowed values:</i> Damaged No Information						
<i>allowed values:</i> Destroyed Unmaintained						
<i>allowed values:</i> Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
<i>allowed values:</i> Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

- Relationships:**
- Scoreboard (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 - Scoreboard (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 - Scoreboard (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 - Scoreboard (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 - Scoreboard (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 - Scoreboard (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 - Scoreboard (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 - Scoreboard (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 - Scoreboard (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 - Scoreboard (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 - Scoreboard (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 - Scoreboard (Point) - is a member of group - Exactly one - RecreationPnt (FeatureGroup)

Feature SeaplaneRun (Area)

New ☐ Seaplane Run

A designated portion of water that is outlined by visual surface markings and used by seaplanes to land and take-off.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> No Information			Other			Private Public
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information			Not in Operation			Operational Partially Operational
New	Feature Code	1	GB070	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> GB070						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Native Original Provisional Variant Transliterated
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SeaplaneRun (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SeaplaneRun (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SeaplaneRun (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SeaplaneRun (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SeaplaneRun (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SeaplaneRun (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SeaplaneRun (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SeaplaneRun (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SeaplaneRun (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SeaplaneRun (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature Settlement (Area)

New ☐ Settlement

A continuously occupied concentration of tents or lightweight fixed structures (for example: huts) serving as residences. [Description] May also include supporting non-residential (for example: commercial) structures.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AL105	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i>	AL105					
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i>	Commerce Refugee Shelter		Manufacturing Religious Activities		No Information Residence	Other Utilities
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i>	noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i>	No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i>	No Information		Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i>	-999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i>	-999999.0					
	Homogenous Habitation Distribution	1	No Information	Boolean	Unitless	0	An indication that a settled area contains a relatively homogeneous distribution of dwellings. [Description] Non-homogenous distributions result from the concentration of dwellings around multiple dispersed points within the settled area.
	<i>allowed values:</i>	False		No Information		True	
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i>	-999999.0					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i>	No Information					

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False True						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Settlement (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Settlement (Area) - has dataset metadata in - Zero or one - Dataset (Area)
Settlement (Area) - has dataset metadata in - Zero or one - Dataset (Table)
Settlement (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Settlement (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Settlement (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Settlement (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Settlement (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
Settlement (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Settlement (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Settlement (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Settlement (Area) - is a member of group - Exactly one - SettlementSrf (FeatureGroup)

Feature Settlement (Point)

New ☐ Settlement

A continuously occupied concentration of tents or lightweight fixed structures (for example: huts) serving as residences. [Description] May also include supporting non-residential (for example: commercial) structures.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private		Military Public No Information	
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

	<i>allowed values:</i> No Information Partially Operational		Non-operational Planned			Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	AL105	CONSTRAINED_ STRING	Unitless	5	Feature Code	
<i>allowed values:</i> AL105							
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.	
<i>allowed values:</i> Commerce Refugee Shelter			Manufacturing Religious Activities			No Information Residence	Other Utilities
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.	
<i>allowed values:</i> noInformation							
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
<i>allowed values:</i> No Information							
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2	
<i>allowed values:</i> No Information			Other				
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.	
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Homogenous Habitation Distribution	1	No Information	Boolean	Unitless	0	An indication that a settled area contains a relatively homogeneous distribution of dwellings. [Description] Non-homogenous distributions result from the concentration of dwellings around multiple dispersed points within the settled area.	
<i>allowed values:</i> False			No Information			True	
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	

<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEONT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Settlement (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Settlement (Point) - has dataset metadata in - Zero or one - Dataset (Area)
Settlement (Point) - has dataset metadata in - Zero or one - Dataset (Table)
Settlement (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Settlement (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Settlement (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Settlement (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Settlement (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
Settlement (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Settlement (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Settlement (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Settlement (Point) - is a member of group - Exactly one - SettlementPnt (FeatureGroup)

Feature SettlingPond (Area)

New ☐ Settling Pond

A small reservoir where solid matter is precipitated from a liquid by evaporating or settling.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.

allowed values: -999999.0

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AC030	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AC030						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.

<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer	
<i>allowed values:</i> noInformation							
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.	
<i>allowed values:</i> noInformation							
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	
<i>allowed values:</i> noInformation							
<i>allowed values:</i> pimGUID							
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.	

allowed values: -999999.0

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SettlingPond (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SettlingPond (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SettlingPond (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SettlingPond (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SettlingPond (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SettlingPond (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SettlingPond (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SettlingPond (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SettlingPond (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SettlingPond (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SettlingPond (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature SewageTreatmentPlant (Area) New ☐ Sewage Treatment Plant

An operational area with buildings and other facilities for the purification of wastewater.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<u>allowed values:</u> Ash No Information Scrap-metal			Bio-Solids Other Slag			Cinders Radioactive Material No Byproduct Refuse
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.

allowed values: -999999.0

	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999.0						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
New	Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
	<i>allowed values:</i> Compressed Air No Information Steam			Electricity Other			Gravity Petroleum Product Manual Solar
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
	<i>allowed values:</i> Above Surface On Waterbody Bottom			Below Ground Surface Other			No Information Submerged On Surface
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AC507	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AC507						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False			No Information			True	
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).	
<i>allowed values:</i> -999999.0							
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.	
<i>allowed values:</i> -999999.0							
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.	
<i>allowed values:</i> Bio-Solids Water			Chemical			No Information	Other

New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
	<i>allowed values:</i>						<i>Airlift</i> <i>No Information</i> <i>Turbine</i> <i>Centrifugal</i> <i>Other</i> <i>Vacuum</i> <i>Gravity</i> <i>Reciprocating</i> <i>Jet</i> <i>Rotary</i>
New	Water Resource Information : Purification Process	5	No Information	Enumeration	Unitless	0	Water purification process
	<i>allowed values:</i>						<i>Blending</i> <i>Filtration</i> <i>No Information</i> <i>Vapor Compression</i> <i>Desalination</i> <i>Freezing</i> <i>Other</i> <i>Disinfection</i> <i>Multi-effect evaporation</i> <i>Reverse Osmosis</i> <i>Electrolysis</i> <i>Multi-stage flash</i> <i>Sedimentation/coagulation</i>
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<i>allowed values:</i>						<i>U</i>
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i>						<i>No Information</i> <i>Other</i>
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
	<i>allowed values:</i>						<i>noInformation</i>
	Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
	<i>allowed values:</i>						<i>noInformation</i>
	Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
	<i>allowed values:</i>						<i>noInformation</i>
	Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
	<i>allowed values:</i>						<i>noInformation</i>

Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> <div> <div>Adobe Brick</div> <div>Fibreglass</div> <div>Metal</div> <div>Plant Material</div> <div>Steel</div> </div> <div> <div>Aluminum</div> <div>Glass</div> <div>Mud-based Construction</div> <div>Prestressed Concrete</div> <div>Stone</div> </div> <div> <div>Brick</div> <div>Iron</div> <div>No Information</div> <div>Reinforced Concrete</div> <div>Treated Timber</div> </div> <div> <div>Concrete</div> <div>Masonry</div> <div>Other</div> <div>Sod</div> <div>Wood</div> </div>						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Cubic Metres per Second	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> <div> <div>Alkaline</div> <div>Mineral</div> <div>Saline</div> </div> <div> <div>Brackish</div> <div>No Information</div> <div>Seawater</div> </div> <div> <div>Brine</div> <div>Not Applicable</div> </div> <div> <div>Fresh</div> <div>Other</div> </div>						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> <div> <div>Agricultural Irrigation</div> <div>Institutional</div> <div>No Information</div> <div>Sanitary Domestic</div> </div> <div> <div>Commercial</div> <div>Livestock</div> <div>Other</div> </div> <div> <div>Domestic Irrigation</div> <div>Military</div> <div>Power Generation</div> </div> <div> <div>Industrial</div> <div>Municipal</div> <div>Recreational</div> </div>						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SewageTreatmentPlant (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SewageTreatmentPlant (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SewageTreatmentPlant (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SewageTreatmentPlant (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SewageTreatmentPlant (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SewageTreatmentPlant (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SewageTreatmentPlant (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SewageTreatmentPlant (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SewageTreatmentPlant (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SewageTreatmentPlant (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SewageTreatmentPlant (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SewageTreatmentPlant (Area) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup)

Feature SewageTreatmentPlant (Point) New ☐ Sewage Treatment Plant

An operational area with buildings and other facilities for the purification of wastewater.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash No Information Scrap-metal			Bio-Solids Other Slag			Cinders Radioactive Material No Byproduct Refuse
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.

allowed values: -999999.0

	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999.0						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
New	Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
	<i>allowed values:</i> Compressed Air No Information Steam			Electricity Other			Gravity Petroleum Product Manual Solar
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
	<i>allowed values:</i> Above Surface On Waterbody Bottom			Below Ground Surface Other			No Information Submerged On Surface
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AC507	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AC507						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	3	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	3	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	3	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False			No Information			True	
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).	
<i>allowed values:</i> -999999.0							
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.	
<i>allowed values:</i> -999999.0							
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.	
<i>allowed values:</i> Bio-Solids Water			Chemical			No Information	Other

New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
	<i>allowed values:</i>						<i>Airlift</i> <i>No Information</i> <i>Turbine</i>
							<i>Centrifugal</i> <i>Other</i> <i>Vacuum</i>
							<i>Gravity</i> <i>Reciprocating</i>
							<i>Jet</i> <i>Rotary</i>
New	Water Resource Information : Purification Process	5	No Information	Enumeration	Unitless	0	Water purification process
	<i>allowed values:</i>						<i>Blending</i> <i>Filtration</i> <i>No Information</i> <i>Vapor Compression</i>
							<i>Desalination</i> <i>Freezing</i> <i>Other</i>
							<i>Disinfection</i> <i>Multi-effect evaporation</i> <i>Reverse Osmosis</i>
							<i>Electrolysis</i> <i>Multi-stage flash</i> <i>Sedimentation/coagulation</i>
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<i>allowed values:</i>						<i>U</i>
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i>						<i>No Information</i> <i>Other</i>
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
	<i>allowed values:</i>						<i>noInformation</i>
	Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
	<i>allowed values:</i>						<i>noInformation</i>
	Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
	<i>allowed values:</i>						<i>noInformation</i>
	Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
	<i>allowed values:</i>						<i>noInformation</i>

Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> <div> <div>Adobe Brick</div> <div>Fibreglass</div> <div>Metal</div> <div>Plant Material</div> <div>Steel</div> </div> <div> <div>Aluminum</div> <div>Glass</div> <div>Mud-based Construction</div> <div>Prestressed Concrete</div> <div>Stone</div> </div> <div> <div>Brick</div> <div>Iron</div> <div>No Information</div> <div>Reinforced Concrete</div> <div>Treated Timber</div> </div> <div> <div>Concrete</div> <div>Masonry</div> <div>Other</div> <div>Sod</div> <div>Wood</div> </div>						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Cubic Metres per Second	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> <div> <div>Alkaline</div> <div>Mineral</div> <div>Saline</div> </div> <div> <div>Brackish</div> <div>No Information</div> <div>Seawater</div> </div> <div> <div>Brine</div> <div>Not Applicable</div> </div> <div> <div>Fresh</div> <div>Other</div> </div>						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> <div> <div>Agricultural Irrigation</div> <div>Institutional</div> <div>No Information</div> <div>Sanitary Domestic</div> </div> <div> <div>Commercial</div> <div>Livestock</div> <div>Other</div> </div> <div> <div>Domestic Irrigation</div> <div>Military</div> <div>Power Generation</div> </div> <div> <div>Industrial</div> <div>Municipal</div> <div>Recreational</div> </div>						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SewageTreatmentPlant (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SewageTreatmentPlant (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 SewageTreatmentPlant (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 SewageTreatmentPlant (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SewageTreatmentPlant (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SewageTreatmentPlant (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SewageTreatmentPlant (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SewageTreatmentPlant (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SewageTreatmentPlant (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SewageTreatmentPlant (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SewageTreatmentPlant (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SewageTreatmentPlant (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature ShantyTown (Area)

New ☐ Shanty Town

A section of a built-up area consisting chiefly of densely packed shacks and having few, if any, streets and no public facilities. [Description] Usually located on the outskirts of the built-up area. The shacks are generally crude, improvised, and made from salvaged materials.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL208	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL208						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original						
allowed values: Historical Original No Information Unverified Transliterated						
allowed values: Historical Transliterated Other Variant Original						
allowed values: Native Original Provisional Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False						
allowed values: No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
allowed values: Construction Intact						
allowed values: Damaged No Information						
allowed values: Destroyed Unmaintained						
allowed values: Dismantled						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: ShantyTown (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ShantyTown (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ShantyTown (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ShantyTown (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ShantyTown (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ShantyTown (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ShantyTown (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ShantyTown (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ShantyTown (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ShantyTown (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ShantyTown (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ShantyTown (Area) - is a member of group - Exactly one - SettlementSrf (FeatureGroup)

Feature ShantyTown (Point)

New ☐ Shanty Town

A section of a built-up area consisting chiefly of densely packed shacks and having few, if any, streets and no public facilities. [Description] Usually located on the outskirts of the built-up area. The shacks are generally crude, improvised, and made from salvaged materials.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information			Non-operational	Not in Operation		Operational
Partially Operational			Planned	Temporarily Non-operational		
New Feature Code	1	AL208	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL208						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original						
allowed values: Historical Original No Information Unverified Transliterated						
allowed values: Historical Transliterated Other Variant Original						
allowed values: Native Original Provisional Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False						
allowed values: No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
allowed values: Construction Intact						
allowed values: Damaged No Information						
allowed values: Destroyed Unmaintained						
allowed values: Dismantled						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: ShantyTown (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ShantyTown (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 ShantyTown (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 ShantyTown (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ShantyTown (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ShantyTown (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ShantyTown (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ShantyTown (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ShantyTown (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ShantyTown (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ShantyTown (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ShantyTown (Point) - is a member of group - Exactly one - SettlementPnt (FeatureGroup)

Feature SharpCurve (Point)

New ☐ Sharp Curve

A curve along a land transportation route that may restrict vehicle traffic.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Curve Radius	1	-999999.0	REAL	metre	0	The radius of curvature of a segment of a feature (or the feature as a whole, if applicable). [Description] Typically the smallest radius of a curved feature with more than one radius will be collected.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AQ118	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ118						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information			Other			
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
	<u>allowed values:</u> noInformation						
	Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
	<u>allowed values:</u> noInformation						
	Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
	<u>allowed values:</u> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: SharpCurve (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SharpCurve (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 SharpCurve (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 SharpCurve (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SharpCurve (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SharpCurve (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SharpCurve (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SharpCurve (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SharpCurve (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SharpCurve (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SharpCurve (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SharpCurve (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature ShearWall (Line)

New ☐ Shear Wall

The wall of the excavation within a quarry or extraction mine.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						

New	Feature Code	1	AA011	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AA011						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Other No Information Unverified Transliterated		Historical Original Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated		
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Predominant Feature Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
	<i>allowed values:</i> -999999.0						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: ShearWall (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ShearWall (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 ShearWall (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 ShearWall (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ShearWall (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ShearWall (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ShearWall (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ShearWall (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ShearWall (Line) - is a member of group - Exactly one - IndustryCrv (FeatureGroup)

Feature Shed (Area)New ☐ Shed

A small building, generally of light construction, that usually has one or more open sides. [Description] Typically used for storage.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage						
Cinders Radioactive Material Slag						
No Byproduct Refuse						
No Information Scrap-metal						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other						
Joint Military and Civilian Private						
Military Public						
No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational						
Non-operational Planned						
Not in Operation Temporarily Non-operational						
Operational						
New Feature Code	1	AL019	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL019						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

allowed values:		Agriculture	Air Transport	Canal Transport	Emergency Operations
		Meeting Place	No Information	Other	Pedestrian Transport
		Pipeline Transport	Railway Transport	Road Transport	Transport
		Warehousing and Storage	Water Transport	Weather Station	

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
allowed values:		noInformation					
	Floor Count	1	-999999	Integer	Unitless	0	The number of floors in a structure (for example: a building).
allowed values:		-999999					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values:		No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values:		No Information		Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values:		Conventional		Historical Original		Historical Transliterated	Native Original
		Native Transliterated		No Information		Other	Provisional
		Unverified Original		Unverified Transliterated		Variant Original	Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values:		-999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values:		-999999.0					
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values:		-999999.0					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values:		No Information					
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values:		No Information					

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc			Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water			Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Other Petroleum Plastic Rubber Snow Tobacco Whale Products Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood			Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc			Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation Cement Coke Glass Lead No Information Other Plastic Silver Textile Water
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> <i>U</i>						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Adobe Brick Iron No Information Steel			Aluminum Masonry Other Stone			Concrete Metal Plant Material Wood Fibreglass Mud-based Construction Sod

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Shed (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Shed (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Shed (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Shed (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Shed (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Shed (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Shed (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Shed (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Shed (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Shed (Area) - is a member of group - Exactly one - StructureSrf (FeatureGroup)

Feature Shed (Point)

New ☐ Shed

A small building, generally of light construction, that usually has one or more open sides. [Description] Typically used for storage.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Manufacturing Information : By-product	3	No Information	Enumeration	Unitless	0	The principal by-product(s) of a production, mining, or agricultural activity. [Description] If multiple by-products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ash Other Sewage			Cinders Radioactive Material Slag			No Byproduct Refuse No Information Scrap-metal
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	AL019	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL019							
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Agriculture Meeting Place Pipeline Transport Warehousing and Storage		Air Transport No Information Railway Transport Water Transport		Canal Transport Other Road Transport Weather Station		Emergency Operations Pedestrian Transport Transport	
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Floor Count	1	-999999	Integer	Unitless	0	The number of floors in a structure (for example: a building).
<i>allowed values:</i> -999999							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information		Other					
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aircraft Biochemical Chemical Coke Cotton Electronic Equipment Fluorine Gas Ice Liquefied Natural Gas (LNG) Metal Munitions Nuclear Fuel Petrochemical Petroleum Lubricant Radioactive Material Sewage Sugar Vegetation Product Zinc			Aluminum Biodiesel Clothing Concrete Desalinated Water Explosive Food Glass Iron Liquefied Petroleum Gas (LPG) Milk No Information Olive Oil Petrol Phosphorus Rice Silver Textile Water		Ammunition Brick Coal Consumer Goods Electric Power Fertilizer Frozen Water Gold Lead Lumber Milled Grain No Product Other Petroleum Plastic Rubber Snow Tobacco Whale Products	
					Asphalt Cement Coffee Copper Electrical Equipment Fish Fruit Heating Steam and/or Water Lime Manganese Motor Vehicle Non-solid Hydrocarbon Fuel Paper Petroleum and/or Natural Gas Prestressed Concrete Salt Steel Uranium Wine	
Manufacturing Information : Raw Material	3	No Information	Enumeration	Unitless	0	The principal 'raw', or input, material(s) involved in a production activity. [Description] If multiple 'raw' materials are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aluminum Chemical Copper Gold Lumber No Raw Material Paper Radioactive Material Snow Tobacco Wood			Asphalt Clay Cotton Ice Manganese Oil Petroleum and/or Natural Gas Rubber Steel Uranium Zinc		Bauxite Coal Gas Iron Metal Ore Plant Material Sewage Sugar Vegetation	
					Cement Coke Glass Lead No Information Other Plastic Silver Textile Water	

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						

allowed values: *pimGUID*

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<u>allowed values:</u>	Adobe Brick		Aluminum			Concrete
	Iron		Masonry			Metal
	No Information		Other			Plant Material
	Steel		Stone			Wood
						Fibreglass
						Mud-based Construction
						Sod

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: Shed (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Shed (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Shed (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Shed (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Shed (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Shed (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Shed (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Shed (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Shed (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Shed (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Shed (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Shed (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature ShipElevator (Area)New ☐ Ship Elevator

A device used to raise ships vertically between water bodies with different elevations. [Description] Normally ship elevators consist of water filled chambers which can be raised or lowered by means of mechanical devices. Commonly used to move ships between canals where locks would be impractical.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> <i>False</i>			<i>No Information</i>			<i>True</i>
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> <i>[-999999, -999999]</i>						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u>			Civilian			Military
			Other			Public
			Joint Military and Civilian			No Information
			Private			

	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BI006	CONSTRAINED_ STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BI006						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
<i>allowed values:</i> Damaged No Information						
<i>allowed values:</i> Destroyed Unmaintained						
<i>allowed values:</i> Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
<i>allowed values:</i> Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> No Information Steel			Other Treated Timber			Prestressed Concrete Wood Reinforced Concrete
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Usable Length	1	-999999.0	REAL	metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
<i>allowed values:</i> -999999.0						
Usable Width	1	-999999.0	REAL	metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.
<i>allowed values:</i> -999999.0						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: ShipElevator (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ShipElevator (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ShipElevator (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ShipElevator (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ShipElevator (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ShipElevator (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ShipElevator (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ShipElevator (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ShipElevator (Area) - is a member of group - Exactly one - TransportationWaterSrf (FeatureGroup)

Feature ShipElevator (Line)New ☐ Ship Elevator

A device used to raise ships vertically between water bodies with different elevations. [Description] Normally ship elevators consist of water filled chambers which can be raised or lowered by means of mechanical devices. Commonly used to move ships between canals where locks would be impractical.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI006	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI006						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Other							
Historical Original							
No Information							
Unverified Transliterated							
Historical Transliterated							
Native Original							
Provisional							
Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False							
No Information							
True							

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>	No Information Steel		Other Treated Timber			Prestressed Concrete Wood Reinforced Concrete

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Usable Length	1	-999999.0	REAL	metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
<i>allowed values:</i> -999999.0						
Usable Width	1	-999999.0	REAL	metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.
<i>allowed values:</i> -999999.0						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: ShipElevator (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ShipElevator (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 ShipElevator (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 ShipElevator (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ShipElevator (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ShipElevator (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ShipElevator (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ShipElevator (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ShipElevator (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ShipElevator (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ShipElevator (Line) - is a member of group - Exactly one - TransportationWaterCrv (FeatureGroup)

Feature ShipElevator (Point)

New ☐ Ship Elevator

A device used to raise ships vertically between water bodies with different elevations. [Description] Normally ship elevators consist of water filled chambers which can be raised or lowered by means of mechanical devices. Commonly used to move ships between canals where locks would be impractical.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False						
No Information						
True						
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BI006	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BI006						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999.0

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Maximum Design Water Depth	1	-999999.0	Real	Metre	0	The maximum depth of water that the object was designed to hold.
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allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> No Information			Other	Prestressed Concrete		
Steel			Treated Timber	Reinforced Concrete		
			Wood			
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Usable Length	1	-999999.0	REAL	metre	0	The interior length of a structure (for example: an aircraft bunker or a lock). [Description] The length is taken along the primary alignment of the structure. If the structure is irregular in shape the length is along its greatest horizontal dimension, else if the structure is regular in shape then a shape-specific rule may apply: for a rectangular structure, the length of the longer axis; for a round structure, the diameter.
<i>allowed values:</i> -999999.0						
Usable Width	1	-999999.0	REAL	metre	0	The interior width of a structure. [Description] For example, an aircraft bunker or a lock.
<i>allowed values:</i> -999999.0						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: ShipElevator (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ShipElevator (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 ShipElevator (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 ShipElevator (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ShipElevator (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ShipElevator (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ShipElevator (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ShipElevator (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ShipElevator (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ShipElevator (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ShipElevator (Point) - is a member of group - Exactly one - TransportationWaterPnt (FeatureGroup)

Feature ShippingContainer (Area)New ☐ Shipping Container

A moveable container used for the shipping of solid, liquid, or gaseous materials. [Description] The container may be either closed on all sides or open on the top or along a side. With minor modifications, if needed, shipping containers may be used for non-traditional purposes including, for example: emergency shelter, housing, retail activities, warehousing and secure space.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM011	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM011						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Accommodation General Repair Manufacturing Railway Transport Warehousing and Storage			Agriculture Guard Market Road Freight Transport Waste Treatment and Disposal			Cargo Handling Imprisonment No Information Transport Water Transport Emergency Shelter Machinery Repair Other Transportation Support

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Shipping Container Type	1	No Information	Enumeration	Unitless	0	The type of a shipping container based on its structural characteristics and/or intended use.
<i>allowed values:</i>	Deliverable Container Other		Dumpster Roll-off Dumpster			ISO Container Tank Container No Information
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i>	False		No Information			True

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum						
Metal						
Reinforced Concrete						
Concrete						
No Information						
Steel						
Iron						
Other						
Treated Timber						
Masonry						
Prestressed Concrete						
Wood						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: ShippingContainer (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
ShippingContainer (Area) - has dataset metadata in - Zero or one - Dataset (Area)
ShippingContainer (Area) - has dataset metadata in - Zero or one - Dataset (Table)
ShippingContainer (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
ShippingContainer (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
ShippingContainer (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
ShippingContainer (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
ShippingContainer (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
ShippingContainer (Area) - is a member of group - Exactly one - StorageSrf (FeatureGroup)

Feature ShippingContainer (Point)New ☐ Shipping Container

A moveable container used for the shipping of solid, liquid, or gaseous materials. [Description] The container may be either closed on all sides or open on the top or along a side. With minor modifications, if needed, shipping containers may be used for non-traditional purposes including, for example: emergency shelter, housing, retail activities, warehousing and secure space.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

<i>allowed values:</i>		Civilian Other	Joint Military and Civilian Private	Military Public	No Information		
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i>		No Information Partially Operational	Non-operational Planned	Not in Operation Temporarily Non-operational	Operational		
New	Feature Code	1	AM011	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM011							
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i>		Accommodation General Repair Manufacturing Railway Transport Warehousing and Storage	Agriculture Guard Market Road Freight Transport Waste Treatment and Disposal	Cargo Handling Imprisonment No Information Transport Water Transport	Emergency Shelter Machinery Repair Other Transportation Support		
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc. [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i>		No Information	Other				
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>		Conventional Native Transliterated Unverified Original	Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated		
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Shipping Container Type	1	No Information	Enumeration	Unitless	0	The type of a shipping container based on its structural characteristics and/or intended use.
<i>allowed values:</i> Deliverable Container Other Dumpster Roll-off Dumpster ISO Container Tank Container No Information						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False No Information True						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Metal Reinforced Concrete Concrete No Information Steel Iron Other Treated Timber Masonry Prestressed Concrete Wood						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: ShippingContainer (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
ShippingContainer (Point) - has dataset metadata in - Zero or one - Dataset (Area)
ShippingContainer (Point) - has dataset metadata in - Zero or one - Dataset (Table)
ShippingContainer (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
ShippingContainer (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
ShippingContainer (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
ShippingContainer (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
ShippingContainer (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
ShippingContainer (Point) - is a member of group - Exactly one - StoragePnt (FeatureGroup)

Feature Shipyard (Area)

New ☐ Shipyard

A large enclosed area adjoining the sea or a major river, including facilities in which ships are built or repaired.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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	Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
	<u>allowed values:</u> No Information						
	Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<u>allowed values:</u> -999999.0						
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<u>allowed values:</u> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<u>allowed values:</u> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<u>allowed values:</u> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<u>allowed values:</u> Civilian Other		Joint Military and Civilian Private		Military Public		No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<u>allowed values:</u> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational
New	Feature Code	1	BB241	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BB241						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<u>allowed values:</u> Defence Activities Fabricated Metal Product Repair No Information Warehousing and Storage		Electrical Equipment Manufacture Machinery Manufacture Other Water Transport		Electrical Equipment Repair Machinery Repair Ship Construction		Fabricated Metal Product Manufacture Manufacturing Ship Repair
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information		Other				
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).	
<i>allowed values:</i> Army Navy			Coastguard No Information			Joint Other	Marines
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False			No Information			True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Shipyards (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Shipyards (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Shipyards (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Shipyards (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Shipyards (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Shipyards (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Shipyards (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Shipyards (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Shipyards (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Shipyards (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Shipyards (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Shipyards (Area) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup)

Feature Shipyards (Point)

New ☐ Shipyards

A large enclosed area adjoining the sea or a major river, including facilities in which ships are built or repaired.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB241	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB241						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Defence Activities Fabricated Metal Product Repair No Information Warehousing and Storage			Electrical Equipment Manufacture Machinery Manufacture Other Water Transport			Electrical Equipment Repair Machinery Repair Ship Construction Fabricated Metal Product Manufacture Manufacturing Ship Repair

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Historical Original No Information Unverified Transliterated							
Historical Transliterated Other Variant Original							
Native Original Provisional Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<u>allowed values:</u> Army Navy							
Coastguard No Information							
Joint Other							
Marines							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.

<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Shipyard (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Shipyard (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Shipyard (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Shipyard (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Shipyard (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Shipyard (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Shipyard (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Shipyard (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Shipyard (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Shipyard (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Shipyard (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Shipyard (Point) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup)

Feature ShoppingComplex (Area)

New ☐ Shopping Complex

A commercial facility tenanted by multiple retail stores (for example: household goods, clothing, or books), restaurants (for example: a food court), entertainment venues (for example: a movie theatre or electronic games arcade), and/or other businesses (for example: professional services), that is completely enclosed, climate controlled, has a common public arcade (for example: furnished with decorative plantings, benches, and/or fountains) and a common vehicle parking area (for example: a parking lot or parking garage). [Description] When the commercial entrances open onto the interior of the complex (public access being by means of central entries and broad corridors) it may consist of multiple levels connected by escalators and is often termed a 'shopping mall'. When the commercial entrances open towards the exterior of the complex and access to individual commercial entrances is directly from an adjacent vehicle parking area it consists of a single level and is often termed a 'shopping centre' or 'shopping plaza'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.

<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other						
Joint Military and Civilian Private						
Military Public						
No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational						
Non-operational Planned						
Not in Operation Temporarily Non-operational						
Operational						
New Feature Code	1	AG030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AG030						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Accommodation Amusement Beauty Treatment Community Centre Electrical Equipment Repair Emergency Shelter Food Service Grocery Laundry Meeting Place Motor Vehicle Rental Non-specialized Store Pet-shop Print Publishing Real Estate Activities Restroom Security Services Station Urgent Medical Care						
Accounting Aquarium Business and Personal Support Services Convenience Store Electronic Equipment Repair Employment Agency Gambling Hobbies and/or Leisure Activities Law Enforcement Military Recruitment Museum Other Pharmacy Professional, Scientific and Technical Recreation Retail Banking Social Work Telecommunications Vocational Education						
Adult Entertainment Banquet Hall Cinema Cultural, Arts and Entertainment Emergency Operations Financial Services General Repair Human Health Activities Legal Activities Mobile Phone Service Night Club Out-patient Care Photography Propane Sale Religious Activities Retail Sale Specialized Store Theatre						
Advertising Bar Commerce Day Care Emergency Relief Services Fitness Centre Government Insurance Market Motor Vehicle Parking No Information Petrol Sale Postal Activities Public Health Activities Restaurant Retail Telecommunications Sports, Amusement and Recreation Travel Agency						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Other						

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: ShoppingComplex (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ShoppingComplex (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ShoppingComplex (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ShoppingComplex (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ShoppingComplex (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ShoppingComplex (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ShoppingComplex (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ShoppingComplex (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ShoppingComplex (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ShoppingComplex (Area) - is a member of group - Exactly one - FacilitySrf (FeatureGroup)

Feature Shoreline (Line)New ☐ Shoreline

A line drawn along the normal limit of wave action above the higher high water line as defined by the National Authority. [Description] Consideration should be given to using the (more specific) high water line based on the nature of the source data collection.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BA024	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BA024						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Man-made	1	No Information	Boolean	Unitless	0	An indication that a feature is man-made.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Shoreline Type	1	No Information	Enumeration	Unitless	0	The physical characteristics of a shoreline.
<i>allowed values:</i> Building Rubble Other			Mangrove Sandy			Marshy Shingly No Information Stony
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: Shoreline (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Shoreline (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Shoreline (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Shoreline (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Shoreline (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Shoreline (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Shoreline (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Shoreline (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)
 Shoreline (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Shoreline (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature ShorelineConstruction (Area)New ☐ Shoreline Construction

An artificial structure attached to land bordering a body of water and fixed in position. [Description] It is usually fixed to the waterbody bottom (for example: a mole) but may occasionally be fixed in position (for example: attached to the shore at one end and held between pilings at the other), but floating. Shoreline constructions are normally used for berthing and/or protection.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB081	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB081						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Commerce Other			Fishing Recreation			Manufacturing Transportation Support No Information Warehousing and Storage
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Floating	1	No Information	Boolean	Unitless	0	An indication that an object is floating.
<i>allowed values:</i> False			No Information			True
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Shoreline Construction Type	1	No Information	Enumeration	Unitless	0	The type of a shoreline construction (for example: a pier, a wharf, or a quay). [Description] May be used as a means of subtyping Feature: 'Shoreline Construction'.
<i>allowed values:</i> Breakwater Other Recreational Pier Training Wall			Groin Pier Revetment (Marine) Wharf			Mole Promenade Riprap No Information Quay Seawall
Solid Maritime Construction	1	No Information	Boolean	Unitless	0	An indication that a marine construction (for example: a pier, wharf, or quay) is solid, thereby blocking the free circulation of water underneath the construction. [Description] The construction may be of concrete, masonry, wood, and/or other building materials. Open pile construction is used where the benefits of protection from currents and waves is not required.
<i>allowed values:</i> False			No Information			True
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.

allowed values:	Asphalt Masonry Prestressed Concrete Soil Wood		Boulders Metal Reinforced Concrete Steel		Brick No Information Rock Stone		Concrete Other Rubble Treated Timber
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	
allowed values:	noInformation						
allowed values:	pimGUID						
Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.	
allowed values:	Always Dry Covers and Uncovers		Always Submerged No Information			Awash at Chart Datum Other	Awash at Low Water Partly Submerged
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999.0

Relationships: ShorelineConstruction (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ShorelineConstruction (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ShorelineConstruction (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ShorelineConstruction (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ShorelineConstruction (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ShorelineConstruction (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ShorelineConstruction (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ShorelineConstruction (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ShorelineConstruction (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ShorelineConstruction (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ShorelineConstruction (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ShorelineConstruction (Area) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup)

Feature ShorelineConstruction (Line)New ☐ Shoreline Construction

An artificial structure attached to land bordering a body of water and fixed in position. [Description] It is usually fixed to the waterbody bottom (for example: a mole) but may occasionally be fixed in position (for example: attached to the shore at one end and held between pilings at the other), but floating. Shoreline constructions are normally used for berthing and/or protection.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values:	-999999.0					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values:	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BB081	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BB081						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Commerce Other			Fishing Recreation			Manufacturing Transportation Support No Information Warehousing and Storage
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Floating	1	No Information	Boolean	Unitless	0	An indication that an object is floating.
	<i>allowed values:</i> False			No Information			True
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
<i>allowed values:</i> Damaged No Information						
<i>allowed values:</i> Destroyed Unmaintained						
<i>allowed values:</i> Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
<i>allowed values:</i> Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Shoreline Construction Type	1	No Information	Enumeration	Unitless	0	The type of a shoreline construction (for example: a pier, a wharf, or a quay). [Description] May be used as a means of subtyping Feature: 'Shoreline Construction'.
<i>allowed values:</i> Breakwater Other Recreational Pier Training Wall			Groin Pier Revetment (Marine) Wharf			No Information Quay Seawall
Solid Maritime Construction	1	No Information	Boolean	Unitless	0	An indication that a marine construction (for example: a pier, wharf, or quay) is solid, thereby blocking the free circulation of water underneath the construction. [Description] The construction may be of concrete, masonry, wood, and/or other building materials. Open pile construction is used where the benefits of protection from currents and waves is not required.
<i>allowed values:</i> False			No Information			True
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Asphalt Masonry Prestressed Concrete Soil Wood			Boulders Metal Reinforced Concrete Steel		Brick No Information Rock Stone	Concrete Other Rubble Treated Timber
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry Covers and Uncovers			Always Submerged No Information		Awash at Chart Datum Other	Awash at Low Water Partly Submerged
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: ShorelineConstruction (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ShorelineConstruction (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 ShorelineConstruction (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 ShorelineConstruction (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ShorelineConstruction (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ShorelineConstruction (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ShorelineConstruction (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ShorelineConstruction (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 ShorelineConstruction (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ShorelineConstruction (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ShorelineConstruction (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ShorelineConstruction (Line) - is a member of group - Exactly one - PortHarbourCrv (FeatureGroup)

Feature ShorelineRamp (Area)New ☐ Shoreline Ramp

A ramp-like structure on a shoreline that is intended to facilitate the movement of vessels and/or materials (for example: logs) into or out of the water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BB082	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BB082						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2

allowed values: No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
allowed values: Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
allowed values: U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values: No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Shoreline Ramp Type	1	No Information	Enumeration	Unitless	0	The type of a shoreline ramp based on its design and intended use. [Description] May be used as a means of subtyping Feature: 'Shoreline Ramp'.
<i>allowed values:</i> Log Ramp Slipway			Marine Ramp			No Information Other
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques) or (CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Asphalt Masonry Soil			Brick No Information			Concrete Other Gravel Sand
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.

allowed values: Always Dry Covers and Uncovers		Always Submerged No Information		Awash at Chart Datum Other		Awash at Low Water Partly Submerged	
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999.0

Relationships: ShorelineRamp (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ShorelineRamp (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 ShorelineRamp (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 ShorelineRamp (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ShorelineRamp (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ShorelineRamp (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ShorelineRamp (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ShorelineRamp (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ShorelineRamp (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ShorelineRamp (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ShorelineRamp (Area) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup)

Feature ShorelineRamp (Line) New ☐ Shoreline Ramp

A ramp-like structure on a shoreline that is intended to facilitate the movement of vessels and/or materials (for example: logs) into or out of the water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
allowed values: No Information		Non-operational		Not in Operation		Operational
Partially Operational		Planned		Temporarily Non-operational		
New Feature Code	1	BB082	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BB082						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
allowed values: noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original						
Other						
Historical Original						
No Information						
Unverified Transliterated						
Historical Transliterated						
Other						
Variant Original						
Native Original						
Provisional						
Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
No Information						
Destroyed						
Unmaintained						
Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Shoreline Ramp Type	1	No Information	Enumeration	Unitless	0	The type of a shoreline ramp based on its design and intended use. [Description] May be used as a means of subtyping Feature: 'Shoreline Ramp'.
<i>allowed values:</i> Log Ramp Slipway			Marine Ramp			No Information Other
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Asphalt Masonry Soil			Brick No Information			Concrete Other Gravel Sand
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry Covers and Uncovers						
Always Submerged No Information						
Awash at Chart Datum Other						
Awash at Low Water Partly Submerged						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: ShorelineRamp (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 ShorelineRamp (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 ShorelineRamp (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 ShorelineRamp (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 ShorelineRamp (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 ShorelineRamp (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 ShorelineRamp (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 ShorelineRamp (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 ShorelineRamp (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 ShorelineRamp (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 ShorelineRamp (Line) - is a member of group - Exactly one - PortHarbourCrv (FeatureGroup)

Feature Sidewalk (Line)New ☐ Sidewalk**A paved or improved pedestrian path, typically located adjacent and parallel to a street or road.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False						
No Information						
True						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						

	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AQ035	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ035						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.
<i>allowed values:</i>	All-weather No Information		Closed in Winter Other			Fair-weather Winter Only Limited All-weather
Route Pavement Information : Route Minimum Travelled Way Width	1	-999999.0	REAL	metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.
<i>allowed values:</i>	-999999.0					
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
<i>allowed values:</i>	Aggregate Brick Flexible Pavement No Information Stabilized Earth		Asphalt Cobble-stone Ice Other Unimproved			Asphalt over Concrete Concrete Macadam Rigid Pavement Wood Bound Surface Corduroy Metal Snow Wood Plank

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
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allowed values: False

No Information

True

Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
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allowed values: [-999999.0, -999999.0]

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Sidewalk (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Sidewalk (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Sidewalk (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Sidewalk (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Sidewalk (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Sidewalk (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Sidewalk (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Sidewalk (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Sidewalk (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature SkiJump (Line)

New ☐ Ski-jump

A man-made structure consisting of a steep ramp levelling off at the end and built on a natural slope, used in ski-jumping.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.

allowed values: False

No Information

True

	Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<i>allowed values:</i> -999999.0						
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AK150	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AK150						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
<i>allowed values:</i> Damaged No Information						
<i>allowed values:</i> Destroyed Unmaintained						
<i>allowed values:</i> Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
<i>allowed values:</i> Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: SkiJump (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SkiJump (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 SkiJump (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 SkiJump (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SkiJump (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SkiJump (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SkiJump (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SkiJump (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SkiJump (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SkiJump (Line) - is a member of group - Exactly one - RecreationCrv (FeatureGroup)

Feature SkiJump (Point)

New ☐ Ski-jump

A man-made structure consisting of a steep ramp levelling off at the end and built on a natural slope, used in ski-jumping.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True

	Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<i>allowed values:</i> -999999.0						
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AK150	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AK150						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
<i>allowed values:</i> Damaged No Information						
<i>allowed values:</i> Destroyed Unmaintained						
<i>allowed values:</i> Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
<i>allowed values:</i> Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonInt
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: SkiJump (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SkiJump (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 SkiJump (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 SkiJump (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SkiJump (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SkiJump (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SkiJump (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SkiJump (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SkiJump (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SkiJump (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SkiJump (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SkiJump (Point) - is a member of group - Exactly one - RecreationPnt (FeatureGroup)

Feature SkiRun (Area)New ☐ Ski-run**A slope or trail prepared for skiing.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational Operational	
New Feature Code	1	AK155	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK155						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SkiRun (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SkiRun (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SkiRun (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SkiRun (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SkiRun (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SkiRun (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SkiRun (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SkiRun (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SkiRun (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature SkiRun (Line)

New ☐ Ski-run

A slope or trail prepared for skiing.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: noInformation

	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AK155	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AK155						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged No Information						
Destroyed Unmaintained						
Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SkiRun (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SkiRun (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 SkiRun (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 SkiRun (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SkiRun (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SkiRun (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SkiRun (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SkiRun (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SkiRun (Line) - is a member of group - Exactly one - RecreationCrv (FeatureGroup)

Feature SlopeRegion (Area)

New ☐ Slope Region

A region where the terrain slope is within a set range of values.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	SA050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> SA050						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information			Other			
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
	<u>allowed values:</u> noInformation						
	Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
	<u>allowed values:</u> noInformation						
	Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
	<u>allowed values:</u> noInformation						
	Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
	<u>allowed values:</u> noInformation						

Surface Slope	1	[-999999.0, -999999.0]	REAL_Interval	Percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
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allowed values: [-999999.0, -999999.0]

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: SlopeRegion (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SlopeRegion (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SlopeRegion (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SlopeRegion (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SlopeRegion (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SlopeRegion (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SlopeRegion (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SlopeRegion (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)
 SlopeRegion (Area) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 SlopeRegion (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 SlopeRegion (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature SluiceGate (Line)

New ☐ Sluice Gate

A gate used to regulate the flow or level of water in a watercourse (for example: stream, irrigation ditch, or sluice). [Description] Sluice gates are normally installed in a superstructure and/or frame and most commonly slide vertically to open but on occasion may instead slide horizontally. When opened they allow water to flow under or beside the gate. Commonly sluice gates will be installed perpendicular to the orientation of the flow of water within a watercourse and will be constructed as wide as the watercourse they regulate. Sluice gates may also be installed along the margins of watercourses for the purpose of controlling or permitting the flow of water to or from that watercourse into adjacent watercourses. Sluice gates may be used to regulate both tidal or non-tidal waters.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: noInformation

Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
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allowed values: No Information
Partially Operational

Non-operational
Planned

Not in Operation
Temporarily Non-operational

Operational

New	Feature Code	1	BI040	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BI040						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact						
	Damaged No Information						
	Destroyed Unmaintained						
	Dismantled						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMClassificationAll
	<i>allowed values:</i> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information						
	Other						

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Concrete Prestressed Concrete Wood			Metal Reinforced Concrete			No Information Steel Other Treated Timber
Thickness	1	-999999.0	REAL	metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: SluiceGate (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SluiceGate (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 SluiceGate (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 SluiceGate (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SluiceGate (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SluiceGate (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SluiceGate (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SluiceGate (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SluiceGate (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SluiceGate (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)

Feature SluiceGate (Point)New ☐ Sluice Gate

A gate used to regulate the flow or level of water in a watercourse (for example: stream, irrigation ditch, or sluice). [Description] Sluice gates are normally installed in a superstructure and/or frame and most commonly slide vertically to open but on occasion may instead slide horizontally. When opened they allow water to flow under or beside the gate. Commonly sluice gates will be installed perpendicular to the orientation of the flow of water within a watercourse and will be constructed as wide as the watercourse they regulate. Sluice gates may also be installed along the margins of watercourses for the purpose of controlling or permitting the flow of water to or from that watercourse into adjacent watercourses. Sluice gates may be used to regulate both tidal or non-tidal waters.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI040						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
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allowed values: Concrete
Prestressed Concrete
Wood

Metal
Reinforced Concrete

No Information
Steel

Other
Treated Timber

Thickness	1	-999999.0	REAL	metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
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allowed values: -999999.0

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: SluiceGate (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SluiceGate (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 SluiceGate (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 SluiceGate (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SluiceGate (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SluiceGate (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SluiceGate (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SluiceGate (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SluiceGate (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SluiceGate (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SluiceGate (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SluiceGate (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature SmallCraftFacility (Area)

New ☐ Small Craft Facility

A place at which a service generally of interest to small craft or pleasure boats is available.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BB201	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BB201						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Accommodation Emergency Relief Services Inland Waters Transport Other Restroom Water Transport			Canal Transport Food Service Maritime Defense Petrol Sale Retail Telecommunications Yacht-club			Convenience Store Grocery Meeting Place Recreation Ship Repair Emergency Operations Hobbies and/or Leisure Activities No Information Restaurant Transfer Hub
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: SmallCraftFacility (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SmallCraftFacility (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SmallCraftFacility (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SmallCraftFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SmallCraftFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SmallCraftFacility (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SmallCraftFacility (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SmallCraftFacility (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SmallCraftFacility (Area) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup)

Feature SmallCraftFacility (Point)New ☐ Small Craft Facility**A place at which a service generally of interest to small craft or pleasure boats is available.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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	Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
	<i>allowed values:</i> No Information						
	Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<i>allowed values:</i> -999999.0						
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BB201	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BB201						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Accommodation Emergency Relief Services Inland Waters Transport Other Restroom Water Transport			Canal Transport Food Service Maritime Defense Petrol Sale Retail Telecommunications Yacht-club			Convenience Store Grocery Meeting Place Recreation Ship Repair Emergency Operations Hobbies and/or Leisure Activities No Information Restaurant Transfer Hub
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: SmallCraftFacility (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SmallCraftFacility (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 SmallCraftFacility (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 SmallCraftFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SmallCraftFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SmallCraftFacility (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SmallCraftFacility (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SmallCraftFacility (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SmallCraftFacility (Point) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup)

Feature Smokestack (Point)

New ☐ Smokestack

A vertical structure containing a passage or flue for discharging smoke and gases of combustion.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> False True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information
Diameter	1	-999999.0	Real	metre	0	The dimension of a circular, cylindrical, or spherical feature taken from boundary to boundary along a straight line passing through its centre. <i>allowed values:</i> -999999.0
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AF010	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> AF010
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set. <i>allowed values:</i> noInformation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end. <i>allowed values:</i> No Information
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2 <i>allowed values:</i> No Information Other

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Brick Metal Reinforced Concrete			Concrete No Information Steel			Iron Other Masonry Prestressed Concrete
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						

Relationships: Smokestack (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Smokestack (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Smokestack (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Smokestack (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Smokestack (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Smokestack (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Smokestack (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Smokestack (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Smokestack (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Smokestack (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Smokestack (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Smokestack (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature Snag (Area)New ☐ Snag

A substantial item of woody vegetation (for example: tree, trunk, or bush) or a broken structural pile that is embedded in the bottom of a body of water (for example: ocean, river or inland waterbody) thereby creating a hazard to water travel. [Description] The visibility of the snag at the water surface will depend in its size and the existing water depth.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BD140	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD140						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
		Other				

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Snag (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Snag (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Snag (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Snag (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Snag (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Snag (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Snag (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Snag (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Snag (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Snag (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature Snag (Point)

New ☐ Snag

A substantial item of woody vegetation (for example: tree, trunk, or bush) or a broken structural pile that is embedded in the bottom of a body of water (for example: ocean, river or inland waterbody) thereby creating a hazard to water travel. [Description] The visibility of the snag at the water surface will depend in its size and the existing water depth.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> <i>noInformation</i>						
New	Feature Code	1	BD140	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> <i>BD140</i>						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> <i>noInformation</i>						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> <i>No Information</i>						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> <i>No Information</i>			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original <i>No Information</i> Unverified Transliterated			Historical Transliterated <i>Other</i> Variant Original Native Original Provisional Variant Transliterated
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<u>allowed values:</u> <i>-999999.0</i>						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> <i>-999999.0</i>						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> <i>No Information</i>						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> <i>No Information</i>						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<u>allowed values:</u> <i>U</i>						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information		Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Snag (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Snag (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Snag (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Snag (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Snag (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Snag (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Snag (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Snag (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Snag (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Snag (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature SnowIceField (Area)New ☐ Snow Field and/or Ice-field**A large area permanently covered by snow and/or ice. [Description] May cover land and/or water.**

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	BJ100	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BJ100						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Frozen Cover Type	1	No Information	Enumeration	Unitless	0	The type of a covering of snow and/or ice based on its composition and structure.
	<i>allowed values:</i> Ice-field			No Information			Snowfield
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
Length		1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
Note : Memorandum		1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier		1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group <resource classification>		1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator		1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group <resource dissemination controls>		1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISDissem
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>		1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISNonIC
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>		1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISOwnerProducer
<i>allowed values:</i> noInformation							
New Snow or Ice Depth		1	[-999999.0, -999999.0]	REAL_Interval	Metre	0	The depth of the snow or ice. [Description] The snow or ice layer ranges from the top of the snow or ice surface to the underlying terrain.
<i>allowed values:</i> [-999999.0, -999999.0]							
Soil Depth		1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The depth of the soil or unconsolidated surface material. [Description] The soil layer ranges from the top of the organic horizon 'O' to the bottom of the substratum 'C'.
<i>allowed values:</i> [-999999.0, -999999.0]							

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Terrain Morphology	1	No Information	Enumeration	Unitless	0	The type of terrain morphology based on composition and/or configuration. [Description] Terrain morphology influences military operations such as mobility prediction, mining of construction materials, and identification of potential landing sites.
<i>allowed values:</i>						
Deep Erosional Gullies			Highly Dissected			Highly Distorted with sharp Rocky Ridges
Landslide Potential			Moderately Dissected			Moderately Dissected with scattered Rock Outcrops
No Information			Numerous Boulders			Numerous Cobbles and Boulders
Numerous Rock Outcrops			Numerous Terraces			Other
Scattered Boulders			Steep Rugged Dissected with narrow Gullies			Stony Areas

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SnowIceField (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
SnowIceField (Area) - has dataset metadata in - Zero or one - Dataset (Area)
SnowIceField (Area) - has dataset metadata in - Zero or one - Dataset (Table)
SnowIceField (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
SnowIceField (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
SnowIceField (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
SnowIceField (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
SnowIceField (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
SnowIceField (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
SnowIceField (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
SnowIceField (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
SnowIceField (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature SoilSurfaceRegion (Area)

New ☐ Soil Surface Region

A region of the land that is homogeneous with respect to a soil characteristic.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

	allowed values: -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	allowed values: noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	allowed values: [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	allowed values: noInformation						
New	Feature Code	1	DA010	CONSTRAINED_STRING	Unitless	5	Feature Code
	allowed values: DA010						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	allowed values: noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	allowed values: No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	allowed values: No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	allowed values: <div>Conventional Native Transliterated Unverified Original</div>			<div>Historical Original No Information Unverified Transliterated</div>			<div>Historical Transliterated Other Variant Original</div> <div>Native Original Provisional Variant Transliterated</div>
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	allowed values: -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	allowed values: No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	allowed values: No Information						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Soil Depth	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The depth of the soil or unconsolidated surface material. [Description] The soil layer ranges from the top of the organic horizon 'O' to the bottom of the substratum 'C'.
<i>allowed values:</i> [-999999.0, -999999.0]						
Soil Type	1	No Information	Enumeration	Unitless	0	The soil type as specified by the Unified Soil Classification System (USCS).
<i>allowed values:</i> CH: Fat Clay GM: Silty Gravel Sand ML: Silt and Fine Sand OH: Organic Clay SC: Clayey Sand			CL: Lean Clay GP: Poorly-graded Gravel ML-CL: Silt, Fine Sand and Lean Clay OL: Organic Silt and Clay SM: Silty Sand			Evaporite GW: Well-graded Gravel No Information Other SP: Poorly-graded Sand
						GC: Clayey Gravel MH: Micaceous Not Evaluated PT: Peat SW: Well-graded Sand
Soil Wetness Condition	1	No Information	Enumeration	Unitless	0	General moisture content or condition of a soil.
<i>allowed values:</i> No Information Normally Wet			Normally Dry			Normally Frozen Normally Moist
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: noInformation

Terrain Morphology	1	No Information	Enumeration	Unitless	0	The type of terrain morphology based on composition and/or configuration. [Description] Terrain morphology influences military operations such as mobility prediction, mining of construction materials, and identification of potential landing sites.
allowed values:						
Boulder Field			Deep Erosional Gullies			Dissected Floodplain
Highly Dissected			Highly Distorted with sharp Rocky Ridges			Highly Fractured Rock
Hummocky Karst with Low Mounds			Hummocky with Frost Heaves			Irregular with deep Foliation Fractures
Karst with numerous Sinkholes and Solution Valleys			Landslide Potential			Meander Scars and Lakes
Moderately Dissected			Moderately Dissected with scattered Rock Outcrops			No Effect
Numerous Boulders			Numerous Cobbles and Boulders			Numerous Crevasses
Numerous Dykes			Numerous Fences			Numerous Hedgerows
Numerous Rock Outcrops			Numerous Small Lakes and Ponds			Numerous Stone Walls
Numerous Terraces			Other			Parallel Earthen Rows
Rugged Bedrock			Rugged with numerous Rock Outcrops			Scattered Boulders
Steep Rugged Dissected with narrow Gullies			Stony Areas			Stony Soil with numerous Boulders
Stony Soil with numerous Rock Outcrops			Stony Soil with scattered Boulders			Stony Soil with Surface Rock
Unweathered Lava			Weathered Lava			
						Frost Polygons
						Hummocky Karst with Large Hills
						Karst with numerous Sinkholes
						Mine Tailing(s)
						No Information
						Numerous Dyked Fields
						Numerous Man-made Drainage
						Numerous Terraced Fields
						Playa
						Solifluction Lobes and Frost Scars
						Stony Soil with numerous Gullies
						Talus
Terrain Surface Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the surface layer of the terrain.
allowed values:						
Asphalt			Bedrock			Boulders
Evaporite			Frozen Water			Gravel
Loess			Mud			No Information
Paved			Rock			Sand
						Concrete
						Lava Flow
						Other
						Soil
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
allowed values:						noInformation
allowed values:						pimGUID
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

- Relationships:**
- SoilSurfaceRegion (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 - SoilSurfaceRegion (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 - SoilSurfaceRegion (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 - SoilSurfaceRegion (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 - SoilSurfaceRegion (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 - SoilSurfaceRegion (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 - SoilSurfaceRegion (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 - SoilSurfaceRegion (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 - SoilSurfaceRegion (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 - SoilSurfaceRegion (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 - SoilSurfaceRegion (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 - SoilSurfaceRegion (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature SolarFarm (Area)

New ☐ Solar Farm

An extensive collection of solar panels that are collocated and serve a common purpose (for example: the generation of electricity or the generation of heating steam and/or water). [Description] The collection is often organized as an array covering many hundreds of square metres in area and it may be controlled so as to track the direction of the sun throughout the day.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AD025	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD025						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Electric Power			Heating Steam and/or Water			No Information Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode

<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Metal Wood			Brick No Information			Fibreglass Other Iron Steel
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: SolarFarm (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SolarFarm (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SolarFarm (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SolarFarm (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SolarFarm (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SolarFarm (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SolarFarm (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SolarFarm (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SolarFarm (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SolarFarm (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SolarFarm (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SolarFarm (Area) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup)

Feature SolarFarm (Point)New ☐ Solar Farm

An extensive collection of solar panels that are collocated and serve a common purpose (for example: the generation of electricity or the generation of heating steam and/or water). [Description] The collection is often organized as an array covering many hundreds of square metres in area and it may be controlled so as to track the direction of the sun throughout the day.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AD025	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD025						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.

<u>allowed values:</u> Electric Power			Heating Steam and/or Water			No Information	Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll	
<u>allowed values:</u> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<u>allowed values:</u> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem	
<u>allowed values:</u> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC	
<u>allowed values:</u> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer	
<u>allowed values:</u> noInformation							
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.	
<u>allowed values:</u> noInformation							
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	
<u>allowed values:</u> noInformation							
<u>allowed values:</u> pimGUID							
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).	

allowed values: Aluminum
Metal
Wood

Brick
No Information

Fibreglass
Other

Iron
Steel

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SolarFarm (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
SolarFarm (Point) - has dataset metadata in - Zero or one - Dataset (Area)
SolarFarm (Point) - has dataset metadata in - Zero or one - Dataset (Table)
SolarFarm (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
SolarFarm (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
SolarFarm (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
SolarFarm (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
SolarFarm (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
SolarFarm (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
SolarFarm (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
SolarFarm (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
SolarFarm (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature SolarPanel (Area)

New ☐ Solar Panel

A panel designed to absorb the sun's rays for the purpose of generating electricity or heat.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AD020	CONSTRAINED_STRING	Unitless	5	Feature Code

allowed values: AD020

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i>	Electric Power		Heating Steam and/or Water			No Information Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIntC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SolarPanel (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SolarPanel (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SolarPanel (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SolarPanel (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SolarPanel (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SolarPanel (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SolarPanel (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SolarPanel (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SolarPanel (Area) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup)

Feature SolarPanel (Point)

New ☐ Solar Panel

A panel designed to absorb the sun's rays for the purpose of generating electricity or heat.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AD020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD020						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i>	Electric Power		Heating Steam and/or Water			No Information Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIntC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SolarPanel (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SolarPanel (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 SolarPanel (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 SolarPanel (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SolarPanel (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SolarPanel (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SolarPanel (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SolarPanel (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SolarPanel (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SolarPanel (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature Sounding (Point)

New ☐ Sounding

A spot depth or drying height that has been referenced to a vertical datum.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
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allowed values: Area Swept by Side-scan Sonar
 Computer Generated
 Lead-line
 Other
 Singlebeam
 Area Swept by Vertical Acoustic System
 Diver
 Levelling
 Photogrammetry
 Underwater Utility Vehicle
 Area Swept by Wire-drag
 Echo Sounder
 Multi-beam Echo Sounder
 Satellite Imagery
 Bathymetric LiDAR
 Electromagnetic Sensor
 No Information
 Side-scan Sonar

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: noInformation

New Feature Code	1	BE020	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: BE020

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
Other							
	Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999.0							
	Hydrographic Drying Height	1	-999999.0	Real	Metre	0	The height of the feature, which tidal waters cover and uncover, referenced to a specified sounding datum.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<u>allowed values:</u> U							
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information							
Other							
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation							
	Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation							
	Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer

allowed values: *noInformation*

Hydrographic Depth : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
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<u>allowed values:</u>	Approximate Lowest Astronomical Tide	Approximate Mean Low Water	Approximate Mean Low Water Springs	Approximate Mean Lower Low Water
	Approximate Mean Sea Level	Chart Datum (Unspecified)	Equinoctial Spring Low Water	High Water
	High Water Springs	Higher High Water	Higher High Water Large Tide	Highest Astronomical Tide
	Highest High Water	Indian Spring High Water	Indian Spring Low Water	International Great Lakes Datum 1985
	Local Datum	Low Water	Low Water Springs	Lower Low Water
	Lower Low Water Large Tide	Lowest Astronomical Tide	Lowest Low Water	Lowest Low Water Springs
	Mean High Water	Mean High Water Neaps	Mean High Water Springs	Mean Higher High Water
	Mean Higher High Water Springs	Mean Low Water	Mean Low Water Neaps	Mean Low Water Springs
	Mean Lower Low Water	Mean Lower Low Water Springs	Mean Sea Level	Mean Tide Level
	Mean Water Level	Neap Tide	Nearly Highest High Water	Nearly Lowest Low Water
	No Information	Other	Spring Tide	

Hydrographic Depth : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
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allowed values: *No Information*

Hydrographic Depth : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
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<u>allowed values:</u>	Mathews Tables	No Information	Not Applicable	Other
	Sound Velocity Meter	Sounder 1500 Calibrated	Sounder 4800 Calibrated	Sounder Other Calibrated

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Relationships:

- Sounding (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
- Sounding (Point) - has dataset metadata in - Zero or one - Dataset (Area)
- Sounding (Point) - has dataset metadata in - Zero or one - Dataset (Table)
- Sounding (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
- Sounding (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
- Sounding (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
- Sounding (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
- Sounding (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)
- Sounding (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
- Sounding (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature SpaceFacility (Area)

New ☐ Space Facility

A facility that is used to support space related activities (for example: services such as assembly, launching or recovery of spacecraft or managing flight operations).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL351	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL351						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Accommodation Emergency Operations No Information			Aircraft Repair Fabricated Metal Product Repair Other			Defence Activities Machinery Repair Warehousing and Storage Electrical Equipment Repair Meeting Place
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: *No Information**Other*

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: SpaceFacility (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SpaceFacility (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SpaceFacility (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SpaceFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SpaceFacility (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SpaceFacility (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SpaceFacility (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SpaceFacility (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SpaceFacility (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SpaceFacility (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SpaceFacility (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SpaceFacility (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature SpaceFacility (Point)New ☐ Space Facility

A facility that is used to support space related activities (for example: services such as assembly, launching or recovery of spacecraft or managing flight operations).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL351	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL351						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Accommodation Emergency Operations No Information			Aircraft Repair Fabricated Metal Product Repair Other			Defence Activities Machinery Repair Warehousing and Storage Electrical Equipment Repair Meeting Place

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> <div> Conventional Native Transliterated Unverified Original </div> <div> Historical Original No Information Unverified Transliterated </div> <div> Historical Transliterated Other Variant Original </div> <div> Native Original Provisional Variant Transliterated </div>							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False <div>No Information</div> True							

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SpaceFacility (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SpaceFacility (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 SpaceFacility (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 SpaceFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SpaceFacility (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SpaceFacility (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SpaceFacility (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SpaceFacility (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SpaceFacility (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SpaceFacility (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)

Feature Spillway (Area) New ☐ Spillway

A passage for surplus water to run over or around a dam.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH165	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH165						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Asphalt No Information Rock			Brick Other Soil			Concrete Prestressed Concrete Stone Masonry Reinforced Concrete
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Spillway (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Spillway (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Spillway (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Spillway (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Spillway (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Spillway (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Spillway (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Spillway (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Spillway (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Spillway (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature Spillway (Line)

New ☐ Spillway

A passage for surplus water to run over or around a dam.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH165	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH165						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<u>allowed values:</u> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<u>allowed values:</u> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer
<u>allowed values:</u> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: noInformation

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
<i>allowed values:</i> Asphalt No Information Rock			Brick Other Soil			Concrete Prestressed Concrete Stone Masonry Reinforced Concrete

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).

allowed values: noInformation*allowed values:* pimGUID

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships:

- Spillway (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
- Spillway (Line) - has dataset metadata in - Zero or one - Dataset (Area)
- Spillway (Line) - has dataset metadata in - Zero or one - Dataset (Table)
- Spillway (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
- Spillway (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
- Spillway (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
- Spillway (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
- Spillway (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
- Spillway (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
- Spillway (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)

Feature SportsGround (Area)New ☐ Sports Ground**An open area where sporting events, exercises, and/or games occur. [Description] For example, an athletic field, a playing field, and/or a sports field.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New Feature Metadata : Cartographic Usability Range

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.

allowed values: [-999999, -999999]

New External Links

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.

allowed values: noInformation

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	AK040	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK040							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: SportsGround (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SportsGround (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SportsGround (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SportsGround (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SportsGround (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SportsGround (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SportsGround (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SportsGround (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SportsGround (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SportsGround (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SportsGround (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SportsGround (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature SportsGround (Point)New ☐ Sports Ground**An open area where sporting events, exercises, and/or games occur. [Description] For example, an athletic field, a playing field, and/or a sports field.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information			Non-operational		Not in Operation	
Partially Operational			Planned		Temporarily Non-operational	
New Feature Code	1	AK040	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK040						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SportsGround (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SportsGround (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 SportsGround (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 SportsGround (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SportsGround (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SportsGround (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SportsGround (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SportsGround (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SportsGround (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SportsGround (Point) - is a member of group - Exactly one - RecreationPnt (FeatureGroup)

Feature SpotElevation (Point) New ☐ Spot Elevation

A designated location with an elevation value relative to a vertical datum.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Highest Elevation <absolute vertical accuracy>	1	-999999.0	Real	Metre	0	The difference between the recorded elevation of a feature and its true elevation referenced to the same vertical datum expressed as a linear error at 90 percent probability.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Elevation Surface Category	1	No Information	Enumeration	Unitless	0	The category of surface for which an elevation is determined.
<i>allowed values:</i> Inland Water Tidal Water			Land Vegetation			No Information Snow Field and/or Ice-field
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	CA030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> CA030						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Highest Elevation <vertical datum>	1	No Information	CodeList	Unitless	30	A reference surface with respect to which elevations and/or depths are specified. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/VerticalDatumCode
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allowed values: No Information

Other

Relationships: SpotElevation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SpotElevation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 SpotElevation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 SpotElevation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SpotElevation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SpotElevation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SpotElevation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SpotElevation (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SpotElevation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SpotElevation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SpotElevation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SpotElevation (Point) - is a member of group - Exactly one - HypsographyPnt (FeatureGroup)

Feature Stable (Area)

New ☐ Stable

A building similar to a barn and adapted for the shelter and feeding of domestic animals, being divided into individual stalls. [Description] Although commonly used to house horses, it may be used to house other animals (for example: prize cattle, sheep or goats) and often includes a storage loft (for example: for hay).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AJ080	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AJ080						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Animal Boarding Raising of Animals			Hobbies and/or Leisure Activities Recreation			No Information Other
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i>	Conical		Domed			Flat
	No Information		Other			Pitched
	Pyramidal		Sawtoothed			Semi-cylindrical
						Flat with Clerestory
						Pitched with Clerestory
						With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation**allowed values:* *pimGUID*

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i>	Adobe Brick		Brick			Concrete
	Masonry		Metal			No Information
	Prestressed Concrete		Reinforced Concrete			Sod
	Stone		Wood			Iron
						Other
						Steel
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: *-999999.0*

Relationships: Stable (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Stable (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Stable (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Stable (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Stable (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Stable (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Stable (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Stable (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Stable (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature Stable (Point)

New ☐ Stable

A building similar to a barn and adapted for the shelter and feeding of domestic animals, being divided into individual stalls. [Description] Although commonly used to house horses, it may be used to house other animals (for example: prize cattle, sheep or goats) and often includes a storage loft (for example: for hay).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ080	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ080						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Animal Boarding Raising of Animals			Hobbies and/or Leisure Activities Recreation			No Information Other
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: *No Information*

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<u>allowed values:</u> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
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<i>allowed values:</i>	Adobe Brick	Brick	Concrete	Iron		
	Masonry	Metal	No Information	Other		
	Prestressed Concrete	Reinforced Concrete	Sod	Steel		
	Stone	Wood				
Width	1	-999999.0	REAL	metre	0	<p>The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane.</p> <p>[Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.</p>

allowed values: -999999.0

Relationships: Stable (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Stable (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Stable (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Stable (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Stable (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Stable (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Stable (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Stable (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Stable (Point) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup)

Feature Stadium (Area)New ☐ Stadium

A field and/or stage partly or completely surrounded by a structure designed to allow spectators to stand or sit while viewing an event. [Description] The field and/or stage may be enclosed in a building or be outdoors. Stadiums are surrounded on most or all sides by tiered seating for spectators. Often designed in size and shape to accommodate specific sports (for example: baseball, football, basketball or ice hockey), theater or musical performances.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Cover Closure Type	1	No Information	Enumeration	Unitless	0	The extent and/or nature of the cover (for example: a roof) of a structure.
<i>allowed values:</i> Complete Partial			Moveable			No Information Open

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AK160	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> AK160						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<u>allowed values:</u> Club Recreation Sports, Amusement and Recreation			Food Service Religious Activities			No Information Restaurant Other Sports Centre
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
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allowed values: Conical
No Information
PyramidalDomed
Other
SawtoothedFlat
Pitched
Semi-cylindricalFlat with Clerestory
Pitched with Clerestory
With Clerestory

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Stadium (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Stadium (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Stadium (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Stadium (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Stadium (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Stadium (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Stadium (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Stadium (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Stadium (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Stadium (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Stadium (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Stadium (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature Stadium (Point)

New ☐ Stadium

A field and/or stage partly or completely surrounded by a structure designed to allow spectators to stand or sit while viewing an event. [Description] The field and/or stage may be enclosed in a building or be outdoors. Stadiums are surrounded on most or all sides by tiered seating for spectators. Often designed in size and shape to accommodate specific sports (for example: baseball, football, basketball or ice hockey), theater or musical performances.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.

	<i>allowed values:</i> False		No Information		True	
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<i>allowed values:</i> -999999.0					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]					
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other		Joint Military and Civilian Private		Military Public	No Information
Cover Closure Type	1	No Information	Enumeration	Unitless	0	The extent and/or nature of the cover (for example: a roof) of a structure.
	<i>allowed values:</i> Complete Partial		Moveable		No Information	Open
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation					
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	AK160	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AK160					
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Club Recreation Sports, Amusement and Recreation		Food Service Religious Activities		No Information Restaurant	Other Sports Centre
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information					
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information		Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Stadium (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Stadium (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Stadium (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Stadium (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Stadium (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Stadium (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Stadium (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Stadium (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Stadium (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Stadium (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Stadium (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Stadium (Point) - is a member of group - Exactly one - RecreationPnt (FeatureGroup)

Feature Stair (Area)New ☐ Stair

A series of fixed steps leading from one level to another, especially such a series leading from one floor level to another inside a structure. [Description] The steps may also be on the outside of the structure, for example, on a gasometer.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AQ150	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ150						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
							Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained
							Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
	<u>allowed values:</u> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Stair (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Stair (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Stair (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Stair (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Stair (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Stair (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Stair (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Stair (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Stair (Area) - is a member of group - Exactly one - StructureSrf (FeatureGroup)

Feature Stair (Line)New ☐ Stair

A series of fixed steps leading from one level to another, especially such a series leading from one floor level to another inside a structure. [Description] The steps may also be on the outside of the structure, for example, on a gasometer.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ150	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ150						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem

allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: Stair (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Stair (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Stair (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Stair (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Stair (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Stair (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Stair (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Stair (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Stair (Line) - is a member of group - Exactly one - StructureCrv (FeatureGroup)

Feature SteepGrade (Line)

New ☐ Steep Grade

A stretch along a land transportation route where the slope is high enough to slow, hinder, or even stop traffic. [Description] The percent (%) slope is the ratio of change in elevation (vertical distance) to horizontal ground distance multiplied by 100.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AQ120	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ120						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Gradient Length	1	-999999.0	REAL	metre	0	The length of a road or railway segment having a significant gradient, specifically greater than or equal to 7 percent (%) for a road or greater than or equal to 3 percent (%) for a railway.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False		No Information				True

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> No Information			Other			
Road						Pedestrian Railway

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: SteepGrade (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SteepGrade (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 SteepGrade (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 SteepGrade (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SteepGrade (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SteepGrade (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SteepGrade (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SteepGrade (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SteepGrade (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SteepGrade (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SteepGrade (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SteepGrade (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature SteepTerrainFace (Line)

New ☐ Steep Terrain Face

A steep, vertical, or overhanging face of rock and/or soil. [Description] For example, an escarpment, a bluff, or a cliff.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	DB010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Predominant Feature Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
	<u>allowed values:</u> -999999.0						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode

<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ('). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	2	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> No Information			Other			
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	Rock Soil The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: SteepTerrainFace (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SteepTerrainFace (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 SteepTerrainFace (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 SteepTerrainFace (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SteepTerrainFace (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SteepTerrainFace (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SteepTerrainFace (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SteepTerrainFace (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SteepTerrainFace (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SteepTerrainFace (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SteepTerrainFace (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SteepTerrainFace (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)

Feature Stopway (Area)New ☐ Stopway

A defined rectangular area on the ground at the end of the take-off run available that has been prepared as a suitable area in which an aircraft can be stopped in the case of an abandoned take-off.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Movement Area Surface Composition	3	No Information	Enumeration	Unitless	0	The type of the predominant material of which a surface of the movement area is composed. [Description] Example surfaces include: asphalt, concrete, or grass.
<i>allowed values:</i>			Asphalt Clay Gravel Macadam Other Stone	Asphalt Over Concrete Concrete Ice Membrane Pierced Steel Planking Water	Bituminous Mix Coral Landing Mat No Information Sand Wood	Brick Earthen Laterite Non-bituminous Mix Snow
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned	Not in Operation Temporarily Non-operational	Operational	
New Feature Code	1	GB045	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB045						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Stopway (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Stopway (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Stopway (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Stopway (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Stopway (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Stopway (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Stopway (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Stopway (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Stopway (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Stopway (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Stopway (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Stopway (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature StorageDepot (Area)New ☐ Storage Depot**A tract used for the storage of products and/or supplies.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM010						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Agriculture Manufacturing Other Road Freight Transport Transport			Commerce Materials Recovery Petroleum and/or Gas Extraction Road Transport Warehousing and Storage			Defence Activities Mining and Quarrying Power Generation Sales Yard Wholesale Merchant Emergency Operations No Information Railway Transport Transfer Hub

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Historical Original No Information Unverified Transliterated							
Historical Transliterated Other Variant Original							
Native Original Provisional Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<u>allowed values:</u> False							
No Information							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False							
No Information							
True							

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i>	Aircraft Coal Gas Other Salt Tobacco		Ammunition Cobbles Gravel Petrol Sand Uranium			Biodiesel Coke Lumber Petroleum Stone Water Chemical Explosive No Information Radioactive Material Timber
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: *noInformation*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: StorageDepot (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
StorageDepot (Area) - has dataset metadata in - Zero or one - Dataset (Area)
StorageDepot (Area) - has dataset metadata in - Zero or one - Dataset (Table)
StorageDepot (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
StorageDepot (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
StorageDepot (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
StorageDepot (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
StorageDepot (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
StorageDepot (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
StorageDepot (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
StorageDepot (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
StorageDepot (Area) - is a member of group - Exactly one - StorageSrf (FeatureGroup)

Feature **StorageDepot (Point)** New ☐ **Storage Depot**

A tract used for the storage of products and/or supplies.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u> <i>No Information</i>						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> <i>-999999.0</i>						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> <i>[-999999, -999999]</i>						

	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AM010	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AM010						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Agriculture Manufacturing Other Road Freight Transport Transport			Commerce Materials Recovery Petroleum and/or Gas Extraction Road Transport Warehousing and Storage			Defence Activities Mining and Quarrying Power Generation Sales Yard Wholesale Merchant Emergency Operations No Information Railway Transport Transfer Hub
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information		True	
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained	
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Aircraft Coal Gas Other Salt Tobacco			Ammunition Cobbles Gravel Petrol Sand Uranium		Biodiesel Coke Lumber Petroleum Stone Water	
					Chemical Explosive No Information Radioactive Material Timber	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: StorageDepot (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
StorageDepot (Point) - has dataset metadata in - Zero or one - Dataset (Area)
StorageDepot (Point) - has dataset metadata in - Zero or one - Dataset (Table)
StorageDepot (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
StorageDepot (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
StorageDepot (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
StorageDepot (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
StorageDepot (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
StorageDepot (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
StorageDepot (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
StorageDepot (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
StorageDepot (Point) - is a member of group - Exactly one - StoragePnt (FeatureGroup)

Feature StorageTank (Area)

New ☐ Storage Tank

A container used for the storage of liquids and/or gases that is not supported by a tower.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> False No Information True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water. <i>allowed values:</i> -999999.0
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density. <i>allowed values:</i> -999999.0
Containment Berm Present	1	No Information	Boolean	Unitless	0	An indication that a facility (for example: a storage tank, a drum storage area, or a liquid transfer area) is surrounded by an embankment or wall that provides a barrier to retain liquid (for example: leaked fuel oil). [Description] The embankment or wall is typically part of a spill containment system that may additionally provide fire protection, product recovery and/or process isolation. <i>allowed values:</i> False No Information True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life. <i>allowed values:</i> -999999.0
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM070	CONSTRAINED_STRING	Unitless	5	Feature Code

<i>allowed values:</i> AM070							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc. [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original							
<i>allowed values:</i> Historical Original No Information Unverified Transliterated							
<i>allowed values:</i> Historical Transliterated Other Variant Original							
<i>allowed values:</i> Native Original Provisional Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False							
<i>allowed values:</i> No Information							
<i>allowed values:</i> True							
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Beverage Biodiesel Chemical Gas Liquefied Natural Gas (LNG) Liquefied Petroleum Gas (LPG) No Information Other Petrol Petroleum Radioactive Material Sewage Water						
New Pump Present	1	No Information	Boolean	Unitless	0	An indication that a feature supports, contains, or makes use of one or more pumps.
<i>allowed values:</i> False No Information True						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
<i>allowed values:</i>			Board-like Prism Cylindrical with Domed Top Horizontal Capped Cylindrical Pyramidal Square Prism	Cubic Cylindrical with Flat Top Horizontal Cylindrical Rectangular Prism Vertical Capped Cylindrical	Cylindrical on Tower Cylindrical with Framework No Information Spherical Vertical Cylindrical	Cylindrical with Conical Top Domed Other Spherical on Column
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information		True	
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).

allowed values:	Aluminum Metal Reinforced Concrete		Concrete No Information Steel		Iron Other		Masonry Prestressed Concrete
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.	
allowed values:	noInformation						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.	
allowed values:	Above Surface		Below Ground Surface			No Information	On Surface
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.	
allowed values:	-999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.	
allowed values:	-999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).	
allowed values:	-999999.0						
Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.	
allowed values:	Contaminated Potable		No Information Treatable			Nonpotable	Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.	
allowed values:	Alkaline Mineral Saline		Brackish No Information Seawater			Brine Not Applicable	Fresh Other
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.	
allowed values:	Agricultural Irrigation Institutional No Information Sanitary Domestic		Commercial Livestock Other			Domestic Irrigation Military Power Generation	Industrial Municipal Recreational
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999.0

Relationships: StorageTank (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 StorageTank (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 StorageTank (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 StorageTank (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 StorageTank (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 StorageTank (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 StorageTank (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 StorageTank (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 StorageTank (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 StorageTank (Area) - is a member of group - Exactly one - StorageSrf (FeatureGroup)

Feature StorageTank (Point)

New ☐ Storage Tank

A container used for the storage of liquids and/or gases that is not supported by a tower.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> False No Information True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water. <i>allowed values:</i> -999999.0
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density. <i>allowed values:</i> -999999.0
Containment Berm Present	1	No Information	Boolean	Unitless	0	An indication that a facility (for example: a storage tank, a drum storage area, or a liquid transfer area) is surrounded by an embankment or wall that provides a barrier to retain liquid (for example: leaked fuel oil). [Description] The embankment or wall is typically part of a spill containment system that may additionally provide fire protection, product recovery and/or process isolation. <i>allowed values:</i> False No Information True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life. <i>allowed values:</i> -999999.0
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM070	CONSTRAINED_STRING	Unitless	5	Feature Code

allowed values: AM070							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
allowed values: noInformation							
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
allowed values: No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: No Information							
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999.0							
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
allowed values: -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0							
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
allowed values: False				No Information	True		
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
allowed values: -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Beverage Biodiesel Chemical Gas Liquefied Natural Gas (LNG) Liquefied Petroleum Gas (LPG) No Information Other Petrol Petroleum Radioactive Material Sewage Water						
New Pump Present	1	No Information	Boolean	Unitless	0	An indication that a feature supports, contains, or makes use of one or more pumps.
<i>allowed values:</i> False No Information True						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
<i>allowed values:</i> Board-like Prism Cylindrical with Domed Top Horizontal Capped Cylindrical Pyramidal Square Prism			Cubic Cylindrical with Flat Top Horizontal Cylindrical Rectangular Prism Vertical Capped Cylindrical			Cylindrical on Tower Cylindrical with Framework No Information Spherical Vertical Cylindrical
						Cylindrical with Conical Top Domed Other Spherical on Column
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).

allowed values:	Aluminum Metal Reinforced Concrete		Concrete No Information Steel		Iron Other		Masonry Prestressed Concrete
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.	
allowed values:	noInformation						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.	
allowed values:	Above Surface		Below Ground Surface			No Information	On Surface
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.	
allowed values:	-999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.	
allowed values:	-999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).	
allowed values:	-999999.0						
Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.	
allowed values:	Contaminated Potable		No Information Treatable			Nonpotable	Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.	
allowed values:	Alkaline Mineral Saline		Brackish No Information Seawater			Brine Not Applicable	Fresh Other
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.	
allowed values:	Agricultural Irrigation Institutional No Information Sanitary Domestic		Commercial Livestock Other			Domestic Irrigation Military Power Generation	Industrial Municipal Recreational
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.	

allowed values: -999999.0

Relationships: StorageTank (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 StorageTank (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 StorageTank (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 StorageTank (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 StorageTank (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 StorageTank (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 StorageTank (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 StorageTank (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 StorageTank (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 StorageTank (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 StorageTank (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 StorageTank (Point) - is a member of group - Exactly one - StoragePnt (FeatureGroup)

Feature StorageTankAON (Area)

New ☒ Storage Tank Area of Numerous

Area of numerous containers used for the storage of liquids and/or gases that are not supported by towers.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> <i>False</i> <i>No Information</i> <i>True</i>
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> <i>-999999.0</i>
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic. <i>allowed values:</i> <i>-999999.0</i>
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> <i>noInformation</i>
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> <i>[-999999, -999999]</i>
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water. <i>allowed values:</i> <i>-999999.0</i>
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density. <i>allowed values:</i> <i>-999999.0</i>
Containment Berm Present	1	No Information	Boolean	Unitless	0	An indication that a facility (for example: a storage tank, a drum storage area, or a liquid transfer area) is surrounded by an embankment or wall that provides a barrier to retain liquid (for example: leaked fuel oil). [Description] The embankment or wall is typically part of a spill containment system that may additionally provide fire protection, product recovery and/or process isolation. <i>allowed values:</i> <i>False</i> <i>No Information</i> <i>True</i>
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life. <i>allowed values:</i> <i>-999999.0</i>
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> <i>noInformation</i>
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	NU070	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> <i>NU070</i>
Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.

<i>allowed values:</i> -999999							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original							
<i>allowed values:</i> Historical Original No Information Unverified Transliterated							
<i>allowed values:</i> Historical Transliterated Other Variant Original							
<i>allowed values:</i> Native Original Provisional Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False							
<i>allowed values:</i> No Information							
<i>allowed values:</i> True							
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.

allowed values: No Information

Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
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allowed values: -999999.0

Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
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allowed values: -999999.0

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
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allowed values: BeverageBiodiesel
Liquefied Petroleum Gas (LPG)
PetroleumChemical
No Information
Radioactive MaterialGas
Other
SewageLiquefied Natural Gas (LNG)
Petrol
Water

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
<i>allowed values:</i>	Board-like Prism		Cubic			Cylindrical on Tower
	Cylindrical with Domed Top		Cylindrical with Flat Top			Cylindrical with Framework
	Horizontal Capped Cylindrical		Horizontal Cylindrical			No Information
	Pyramidal		Rectangular Prism			Spherical
	Square Prism		Vertical Capped Cylindrical			Spherical on Column
						Cylindrical with Conical Top
						Domed
						Other

Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
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allowed values: *-999999.0*

Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
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allowed values: *False*

Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
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allowed values: *-999999.0*

Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
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allowed values: *-999999.0*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Vertical Construction Material		3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).	
allowed values:	Aluminum			Concrete			Iron	Masonry
	Metal			No Information			Other	Prestressed Concrete
	Reinforced Concrete			Steel				

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: *noInformation*

Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: StorageTankAON (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
StorageTankAON (Area) - has dataset metadata in - Zero or one - Dataset (Area)
StorageTankAON (Area) - has dataset metadata in - Zero or one - Dataset (Table)
StorageTankAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
StorageTankAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
StorageTankAON (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
StorageTankAON (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
StorageTankAON (Area) - is a member of group - Exactly one - StorageAON (FeatureGroup)
StorageTankAON (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)

Feature StormDrain (Point)New ☐ Storm Drain**A collector opening into a pipe or channel to allow the removal of excess runoff water or in some cases sewage. [Description] In civil engineering terms, a drop inlet.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AQ114	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ114						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.

<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer	
<i>allowed values:</i> noInformation							
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.	
<i>allowed values:</i> noInformation							
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.	
<i>allowed values:</i>	Concrete No Information		Iron Other			Masonry Steel	Metal

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: StormDrain (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
StormDrain (Point) - has dataset metadata in - Zero or one - Dataset (Area)
StormDrain (Point) - has dataset metadata in - Zero or one - Dataset (Table)
StormDrain (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
StormDrain (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
StormDrain (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
StormDrain (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
StormDrain (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
StormDrain (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature StreetLamp (Point)

New ☐ Street Lamp

A lamp intended to illuminate a road. [Description] May also illuminate the ground adjacent to the road. Usually attached to a tall pole.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ161	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ161						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll

allowed values: [U](#)

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation*allowed values:* [pimGUID](#)

Relationships: StreetLamp (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 StreetLamp (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 StreetLamp (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 StreetLamp (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 StreetLamp (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 StreetLamp (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 StreetLamp (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 StreetLamp (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 StreetLamp (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature **StreetSign (Point)**New ☐ Street Sign**A sign placed along a road for the purpose of regulating the flow of traffic (for example: vehicles and/or pedestrians) and/or providing information.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Administrative Division	1	No Information	Enumeration	Unitless	0	The nature of an administrative division as established by an international body (for example: the United Nations), a supranational body (for example: the European Union), a State (for example: France), or a similar entity (for example: the Vatican) or organization (for example: the International Hydrographic Organization).
<i>allowed values:</i>						International or Supranational Subnational National No Information Other
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i>						-999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>						noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>						[-999999, -999999]
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i>						Civilian No Information Tribal Joint Military and Civilian Other Military Private Municipal Public
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i>						noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i>						No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ162	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>						AQ162
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i>						noInformation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>						No Information
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i>						No Information Other

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Street Sign Type	1	No Information	Enumeration	Unitless	0	The type of a street sign based on the nature of the information that it displays.
<i>allowed values:</i> Direction No Information Road Identification			Electronic Message Other Route Marker			General Information Place Identification Traffic Control Mandatory Regulation Prohibited or Restricted Activity Warning
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Metal Wood			No Information			Other Plastic
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						

Relationships: StreetSign (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 StreetSign (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 StreetSign (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 StreetSign (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 StreetSign (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 StreetSign (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 StreetSign (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 StreetSign (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 StreetSign (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 StreetSign (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 StreetSign (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 StreetSign (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature StructuralPile (Area)New ☐ Structural Pile

A long pile (for example: a heavy timber or section of steel, wood, or concrete) forced into the earth that may serve as a support (for example: for a pier) or as a free standing pole within a marine environment.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<u>allowed values:</u> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<u>allowed values:</u> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<u>allowed values:</u> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
New	Feature Code	1	BD100	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BD100						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information						
			Other				

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Concrete Other			Iron Steel			Metal Treated Timber No Information Wood
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry Covers and Uncovers			Always Submerged No Information			Awash at Chart Datum Other Awash at Low Water Partly Submerged

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: StructuralPile (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 StructuralPile (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 StructuralPile (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 StructuralPile (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 StructuralPile (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 StructuralPile (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 StructuralPile (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 StructuralPile (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 StructuralPile (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 StructuralPile (Area) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup)

Feature StructuralPile (Point)

New ☐ Structural Pile

A long pile (for example: a heavy timber or section of steel, wood, or concrete) forced into the earth that may serve as a support (for example: for a pier) or as a free standing pole within a marine environment.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BD100	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BD100						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Concrete Other			Iron Steel			Metal Treated Timber No Information Wood
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						

allowed values: pimGUID

Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry Covers and Uncovers			Always Submerged No Information			Awash at Chart Datum Other Awash at Low Water Partly Submerged
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: StructuralPile (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 StructuralPile (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 StructuralPile (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 StructuralPile (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 StructuralPile (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 StructuralPile (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 StructuralPile (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 StructuralPile (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 StructuralPile (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 StructuralPile (Point) - is a member of group - Exactly one - PortHarbourPnt (FeatureGroup)

Feature SurfaceBunker (Area)New ☐ Surface Bunker**A surface structure that may be covered and/or surrounded with earth and is resistant to ordnance. [Description] Used, for example, for storage and/or aircraft protection.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

		<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AM060	CONSTRAINED_ STRING	Unitless	5	Feature Code
		<i>allowed values:</i> AM060					
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
		<i>allowed values:</i> noInformation					
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
		<i>allowed values:</i> No Information					
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
		<i>allowed values:</i> No Information					
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
		<i>allowed values:</i> Conventional Native Transliterated Unverified Original					
	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
		<i>allowed values:</i> Bomb Shelter Storm Shelter					
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
		<i>allowed values:</i> -999999.0					
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
		<i>allowed values:</i> -999999.0					
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
		<i>allowed values:</i> -999999.0					
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
		<i>allowed values:</i> No Information					

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ammunition Other Chemical Petrol Explosive Radioactive Material No Information Uranium						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: SurfaceBunker (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SurfaceBunker (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SurfaceBunker (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SurfaceBunker (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SurfaceBunker (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SurfaceBunker (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SurfaceBunker (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SurfaceBunker (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SurfaceBunker (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SurfaceBunker (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SurfaceBunker (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SurfaceBunker (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature SurfaceBunker (Point)New ☐ Surface Bunker

A surface structure that may be covered and/or surrounded with earth and is resistant to ordnance. [Description] Used, for example, for storage and/or aircraft protection.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).

<i>allowed values:</i> Civilian Other		Joint Military and Civilian Private		Military Public		No Information	
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation							
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	AM060	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM060							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information		Other					
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter		Fallout Shelter		No Information		Other	
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Ammunition Other Chemical Petrol Explosive Radioactive Material No Information Uranium						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer

allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation**allowed values:* *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: SurfaceBunker (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SurfaceBunker (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 SurfaceBunker (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 SurfaceBunker (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SurfaceBunker (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SurfaceBunker (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SurfaceBunker (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SurfaceBunker (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SurfaceBunker (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SurfaceBunker (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SurfaceBunker (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SurfaceBunker (Point) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup)

Feature **SurveyPoint (Point)**New ☒ **Survey Point**

A location where horizontal and/or vertical control has been determined by surveying methods. [Description] Surveys are used to establish positions (horizontal or vertical) of selected points. The points are then used to reference other survey observations or measurements.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Base Elevation	1	-999999.0	REAL	metre	0	The vertical distance from a specified vertical datum to the terrain surface of or at the base of the feature. [Description] If the feature is not supported above the surface by another feature then the base of the feature is usually located at ground or water level on the downhill/downstream side. For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). In the case of a survey marker (monument) this is usually the elevation assigned to the marker (monument).

allowed values: *-999999.0*

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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	allowed values: <i>noInformation</i>						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	allowed values: <i>[-999999, -999999]</i>						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	allowed values: Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	allowed values: <i>noInformation</i>						
New	Feature Code	1	ZB050	CONSTRAINED_STRING	Unitless	5	Feature Code
	allowed values: <i>ZB050</i>						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	allowed values: <i>noInformation</i>						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	allowed values: <i>No Information</i>						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	allowed values: <i>No Information</i>			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	allowed values: <i>No Information</i>						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	allowed values: <i>No Information</i>						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	allowed values: Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

New Survey Point Type	1	No Information	Enumeration	Unitless	0	The type of a survey point based on the purpose for which it is established.
<div> <i>allowed values:</i> Astronomic Position Geodetic Point Other Benchmark Gravity Point Theodolite Station Cadastral Control Point Magnetic Station Tidal Benchmark Camera Station No Information Transit Station </div>						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Relationships: SurveyPoint (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SurveyPoint (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 SurveyPoint (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 SurveyPoint (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SurveyPoint (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SurveyPoint (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SurveyPoint (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SurveyPoint (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 SurveyPoint (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 SurveyPoint (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SurveyPoint (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SurveyPoint (Point) - is a member of group - Exactly one - HypsographyPnt (FeatureGroup)

Feature Swamp (Area)New ☐ Swamp

A seasonally flooded, poorly drained wetland with more woody plants than a marsh and better drainage than a bog. [Description] It is covered with water all or most of the year, and accumulating dead vegetation does not rapidly decay. It can exist on flat-lying areas created by certain geomorphic environments. The vegetation mainly consists of hydrophytic trees and/or scrubs whose roots are adapted to wet conditions, with an open to very dense canopy closure. A subtype of the more generalized wetland.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.
<i>allowed values:</i> Bedrock Other Sand and Gravel			Clay and Silt Peat Sand over Mud			Gravel and Cobble Rocks and Boulders Silty Sands No Information Sand Soil
Canopy Cover	1	-999999.0	REAL	percent	0	The fraction of canopy cover within a defined area during the season of maximum foliage. [Description] The canopy is formed by the upper branches of the trees in a forest forming a more or less continuous layer.
<i>allowed values:</i> -999999.0						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						

Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	ED020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ED020						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<i>allowed values:</i> Deciduous Other			Evergreen			Mixed No Information
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						

Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			<i>Ephemeral</i>			Intermittent No Information
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Predominant Vegetation Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation						
Stem Diameter	1	[-999999.0, -999999.0]	REAL_Interval	Decimetre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<u>allowed values:</u> [-999999.0, -999999.0]						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<u>allowed values:</u> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<u>allowed values:</u> -999999.0						
Tide Influenced	1	No Information	Boolean	Unitless	0	An indication that a waterbody is affected by the tide.
<u>allowed values:</u> False No Information True						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<u>allowed values:</u> -999999.0						
Tree Spacing	1	[-999999.0, -999999.0]	REAL_INTERVAL	Unitless	0	The average tree spacing between trees in a stand, determined from centre to centre of adjacent trees.
<u>allowed values:</u> [-999999.0, -999999.0]						
Undergrowth Density	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<u>allowed values:</u> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformationallowed values: pimGUID

Vegetation Species	3	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<i>allowed values:</i> Mangrove Swamp Cypress Nipa No Information Other						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	1	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Swamp (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Swamp (Area) - has dataset metadata in - Zero or one - Dataset (Area)
Swamp (Area) - has dataset metadata in - Zero or one - Dataset (Table)
Swamp (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Swamp (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Swamp (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Swamp (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Swamp (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
Swamp (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Swamp (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Swamp (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Swamp (Area) - is a member of group - Exactly one - VegetationSrf (FeatureGroup)

Feature SweptArea (Area) New ☐ Swept Area

A region that has been determined to be clear of navigational dangers to a specified depth.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Doubtful Least Depth <i>Not Applicable</i> Unconfirmed Depth Depth Known Maintained Depth <i>Other</i> Unmaintained Depth Depth Unknown No Bottom Reported Depth Depth Unreliable <i>No Information</i> Safe Clearance Known						
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Side-scan Sonar Computer Generated Lead-line <i>Other</i> Singlebeam Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle Area Swept by Wire-drag Echo Sounder Multi-beam Echo Sounder Satellite Imagery Bathymetric LiDAR Electromagnetic Sensor <i>No Information</i> Side-scan Sonar						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	FC177	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FC177						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original Historical Original <i>No Information</i> Unverified Transliterated Historical Transliterated <i>Other</i> Variant Original Native Original Provisional Variant Transliterated						

Hydrographic Depth	1	-999999.0	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer
<i>allowed values:</i> noInformation						
Hydrographic Depth : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.

allowed values:	Approximate Lowest Astronomical Tide Approximate Mean Sea Level High Water Springs Highest High Water Local Datum Lower Low Water Large Tide Mean High Water Mean Higher High Water Springs Mean Lower Low Water Mean Water Level No Information	Approximate Mean Low Water Chart Datum (Unspecified) Higher High Water Indian Spring High Water Low Water Lowest Astronomical Tide Mean High Water Neaps Mean Low Water Mean Lower Low Water Springs Neap Tide Other	Approximate Mean Low Water Springs Equinoctial Spring Low Water Higher High Water Large Tide Indian Spring Low Water Low Water Springs Lowest Low Water Mean High Water Springs Mean Low Water Neaps Mean Sea Level Nearly Highest High Water Spring Tide	Approximate Mean Lower Low Water High Water Highest Astronomical Tide International Great Lakes Datum 1985 Lower Low Water Lowest Low Water Springs Mean Higher High Water Mean Low Water Springs Mean Tide Level Nearly Lowest Low Water		
Hydrographic Depth : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
allowed values:	No Information					
Hydrographic Depth : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
allowed values:	Mathews Tables Sound Velocity Meter	No Information Sounder 1500 Calibrated				Not Applicable Sounder 4800 Calibrated Other Sounder Other Calibrated
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
allowed values:	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
allowed values:	noInformation					
allowed values:	pimGUID					
Hydrographic Depth : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
allowed values:	False	No Information				True
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
allowed values:	-999999.0					

Relationships: SweptArea (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SweptArea (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SweptArea (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SweptArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SweptArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SweptArea (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SweptArea (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SweptArea (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 SweptArea (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 SweptArea (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature SwimmingPool (Area)New ☐ Swimming Pool**A man-made pool used for swimming outdoors.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AK170	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AK170						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Dismantled Unmaintained
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Above Surface Below Waterbody Surface			Above Waterbody Bottom No Information			Below Ground Surface On Surface Below Waterbody Bottom On Waterbody Bottom
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other

Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
allowed values:	Agricultural Irrigation		Commercial		Domestic Irrigation	
	Institutional		Livestock		Industrial	
	No Information		Other		Military	
	Sanitary Domestic				Power Generation	
					Municipal	
					Recreational	
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: SwimmingPool (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SwimmingPool (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SwimmingPool (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SwimmingPool (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SwimmingPool (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SwimmingPool (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SwimmingPool (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SwimmingPool (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 SwimmingPool (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 SwimmingPool (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature SwimmingPool (Point)

New ☐ Swimming Pool

A man-made pool used for swimming outdoors.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
allowed values: No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
allowed values: -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.

<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information						
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN ⁻ . These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AK170	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK170						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original Historical Original No Information Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						

Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial						
<i>Ephemeral</i> <i>Intermittent</i> <i>No Information</i>						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False <i>No Information</i> <i>True</i>						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact <i>Damaged</i> <i>No Information</i> <i>Destroyed</i> <i>Unmaintained</i> <i>Dismantled</i>						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information <i>Other</i>						

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> <i>noInformation</i>						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> <i>noInformation</i>						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> <i>noInformation</i>						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<u>allowed values:</u> <i>-999999.0</i>						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<u>allowed values:</u> <i>-999999.0</i>						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<u>allowed values:</u> <i>-999999.0</i>						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<u>allowed values:</u> <i>noInformation</i>						
<u>allowed values:</u> <i>pimGUID</i>						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<u>allowed values:</u> <div> <div>Above Surface</div> <div>Below Waterbody Surface</div> </div> <div> <div>Above Waterbody Bottom</div> <div>No Information</div> </div> <div> <div>Below Ground Surface</div> <div>On Surface</div> </div> <div> <div>Below Waterbody Bottom</div> <div>On Waterbody Bottom</div> </div>						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<u>allowed values:</u> <i>-999999.0</i>						

Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: SwimmingPool (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
SwimmingPool (Point) - has dataset metadata in - Zero or one - Dataset (Area)
SwimmingPool (Point) - has dataset metadata in - Zero or one - Dataset (Table)
SwimmingPool (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
SwimmingPool (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
SwimmingPool (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
SwimmingPool (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
SwimmingPool (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
SwimmingPool (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
SwimmingPool (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
SwimmingPool (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
SwimmingPool (Point) - is a member of group - Exactly one - RecreationPnt (FeatureGroup)

Feature SwimmingPoolAON (Area)

New ☒ Swimming Pool Area of Numerous

Area of numerous man-made pools used for swimming outdoors.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999.0						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	NU170	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> NU170						
	Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.
	<i>allowed values:</i> -999999						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry Perennial			Ephemeral			Intermittent No Information
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<u>allowed values:</u> -999999.0						
	Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<u>allowed values:</u> -999999.0						

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i>	-999999.0					
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i>	-999999.0					

Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Above Surface Below Waterbody Surface						
Above Waterbody Bottom No Information Below Ground Surface On Surface Below Waterbody Bottom On Waterbody Bottom						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline						
Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic						
Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: SwimmingPoolAON (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 SwimmingPoolAON (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 SwimmingPoolAON (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 SwimmingPoolAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 SwimmingPoolAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 SwimmingPoolAON (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 SwimmingPoolAON (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 SwimmingPoolAON (Area) - is a member of group - Exactly one - RecreationAON (FeatureGroup)
 SwimmingPoolAON (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)

Feature TankCrossing (Area)New ☒ Tank Crossing

A crossing or turn pad where tracked military vehicles cross over other transportation elements. [Description] Typically a hardened area minimizing the impact of tracked vehicles on the underlying transportation feature (for example: road or railway). May be used as a crossing over other transportation, or a turn pad within a system of tank trails.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AP056	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP056						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Intersection Control Type	3	No Information	Enumeration	Unitless	0	The type of route intersection traffic control based on the method(s) of warning and/or control.
<i>allowed values:</i> Ground Marking Priority Sign			No Control Signal Device			No Information Stop Sign Other Yield Sign

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> <div>Construction</div> <div>Intact</div> <div>Damaged</div> <div>No Information</div> <div>Destroyed</div> <div>Unmaintained</div> <div>Dismantled</div>						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> <i>noInformation</i> <i>allowed values:</i> Canal No Information Other Railway Road						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> <i>noInformation</i> <i>allowed values:</i> <i>pimGUID</i>						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: TankCrossing (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
TankCrossing (Area) - has dataset metadata in - Zero or one - Dataset (Area)
TankCrossing (Area) - has dataset metadata in - Zero or one - Dataset (Table)
TankCrossing (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
TankCrossing (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
TankCrossing (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
TankCrossing (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
TankCrossing (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
TankCrossing (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
TankCrossing (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature TankCrossing (Point) New ☒ Tank Crossing

A crossing or turn pad where tracked military vehicles cross over other transportation elements. [Description] Typically a hardened area minimizing the impact of tracked vehicles on the underlying transportation feature (for example: road or railway). May be used as a crossing over other transportation, or a turn pad within a system of tank trails.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: *noInformation*

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	AP056	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AP056						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Intersection Control Type	3	No Information	Enumeration	Unitless	0	The type of route intersection traffic control based on the method(s) of warning and/or control.
	<i>allowed values:</i> Ground Marking Priority Sign			No Control Signal Device			No Information Stop Sign Other Yield Sign
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Canal Road			No Information			Other Railway
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: TankCrossing (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TankCrossing (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 TankCrossing (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 TankCrossing (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TankCrossing (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TankCrossing (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TankCrossing (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TankCrossing (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TankCrossing (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TankCrossing (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature TankFarm (Area)

New ☐ Tank Farm

A tract of land occupied by large-capacity tanks in which petroleum, natural gas, or liquid petrochemicals are stored. [Description] The tanks are usually round, constructed from metal plates, and separated from each other by berms intended to contain any leakage.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AM071	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AM071						

Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i>	Chemical Manufacture Petroleum Refining Transfer Hub		No Information Pipeline Transport Utilities		Other Power Generation Petroleum and/or Gas Extraction Road Freight Transport	
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i>	noInformation					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i>	No Information		Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i>	-999999.0					
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999.0					
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999.0					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Biodiesel Liquefied Petroleum Gas (LPG) Petroleum			Chemical No Information			Gas Other Liquefied Natural Gas (LNG) Petrol
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: TankFarm (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TankFarm (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 TankFarm (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 TankFarm (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TankFarm (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TankFarm (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TankFarm (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TankFarm (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 TankFarm (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 TankFarm (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TankFarm (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TankFarm (Area) - is a member of group - Exactly one - StorageSrf (FeatureGroup)

Feature TankFarm (Point)

 Tank Farm

A tract of land occupied by large-capacity tanks in which petroleum, natural gas, or liquid petrochemicals are stored. [Description] The tanks are usually round, constructed from metal plates, and separated from each other by berms intended to contain any leakage.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AM071	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AM071						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> Chemical Manufacture Petroleum Refining Transfer Hub			No Information Pipeline Transport Utilities			Other Power Generation Petroleum and/or Gas Extraction Road Freight Transport
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged No Information						
Destroyed Unmaintained						
Dismantled						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Biodiesel Liquefied Petroleum Gas (LPG) Petroleum						
Chemical No Information						
Gas						
Liquefied Natural Gas (LNG)						
Other						
Petrol						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: TankFarm (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TankFarm (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 TankFarm (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 TankFarm (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TankFarm (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TankFarm (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TankFarm (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TankFarm (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 TankFarm (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 TankFarm (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TankFarm (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TankFarm (Point) - is a member of group - Exactly one - StoragePnt (FeatureGroup)

Feature TankTrail (Area)

New ☒ Tank Trail

A designated route where tracked military vehicles have jurisdiction to travel, usually within a military training area.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AP055	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP055						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed Level No Information Raised						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Designation	3	No Information	String	Unitless	24	The official type(s) and/or designation(s) assigned to a route. [Description] A road network may be identified in accordance with a specified typing scheme (for example: based the nature of service that it is intended to provide) and numbering scheme (for example: composed of a prefix indicating an administrative region and then a number).
<i>allowed values:</i> No Information						
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
<i>allowed values:</i> Aggregate Brick Flexible Pavement No Information Stabilized Earth Asphalt Cobble-stone Ice Other Unimproved Asphalt over Concrete Concrete Macadam Rigid Pavement Wood Bound Surface Corduroy Metal Snow Wood Plank						

New Sinuosity	1	-999999.0	Real	Metres	0	The actual path length divided by the shortest path length of a section of the road or trail allowing for estimates of speed given the curves of the roadway. [Description] This allows for routing algorithms to more precisely estimate the speed.
<u>allowed values:</u> -999999.0						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation						
Speed Limit (KPH)	1	-999999.0	Real	Kilometre per Hour	0	The maximum vehicle speed legally permitted, expressed in kilometres per hour.
<u>allowed values:</u> -999999.0						
Speed Limit (MPH)	1	-999999.0	Real	Statute Mile per Hour	0	The maximum vehicle speed legally permitted, expressed in miles per hour.
<u>allowed values:</u> -999999.0						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<u>allowed values:</u> False No Information True						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<u>allowed values:</u> noInformation						
<u>allowed values:</u> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: TankTrail (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TankTrail (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 TankTrail (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 TankTrail (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TankTrail (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TankTrail (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TankTrail (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TankTrail (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TankTrail (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TankTrail (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature TankTrail (Line)

New ☒ Tank Trail

A designated route where tracked military vehicles have jurisdiction to travel, usually within a military training area.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AP055	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP055						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.

allowed values: No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
allowed values: Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
allowed values: Depressed			Level			No Information Raised
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
allowed values: U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values: No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
allowed values: noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
allowed values: noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
allowed values: noInformation						
Route Designation	3	No Information	String	Unitless	24	The official type(s) and/or designation(s) assigned to a route. [Description] A road network may be identified in accordance with a specified typing scheme (for example: based the nature of service that it is intended to provide) and numbering scheme (for example: composed of a prefix indicating an administrative region and then a number).
allowed values: No Information						
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
allowed values: Aggregate Brick Flexible Pavement No Information Stabilized Earth			Asphalt Cobble-stone Ice Other Unimproved			Asphalt over Concrete Concrete Macadam Rigid Pavement Wood Bound Surface Corduroy Metal Snow Wood Plank

New Sinuosity	1	-999999.0	Real	Metres	0	The actual path length divided by the shortest path length of a section of the road or trail allowing for estimates of speed given the curves of the roadway. [Description] This allows for routing algorithms to more precisely estimate the speed.
<u>allowed values:</u> -999999.0						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation						
Speed Limit (KPH)	1	-999999.0	Real	Kilometre per Hour	0	The maximum vehicle speed legally permitted, expressed in kilometres per hour.
<u>allowed values:</u> -999999.0						
Speed Limit (MPH)	1	-999999.0	Real	Statute Mile per Hour	0	The maximum vehicle speed legally permitted, expressed in miles per hour.
<u>allowed values:</u> -999999.0						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<u>allowed values:</u> False						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<u>allowed values:</u> noInformation						
<u>allowed values:</u> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: TankTrail (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TankTrail (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 TankTrail (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 TankTrail (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TankTrail (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TankTrail (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TankTrail (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TankTrail (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TankTrail (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TankTrail (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature Taxiway (Area)

New ☐ Taxiway

A defined path at an aerodrome established for the taxiing of aircraft and intended to provide a ground movement link between one part of the aerodrome and another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Pavement Information : Aerodrome Movement Area Surface Category	1	No Information	Enumeration	Unitless	0	The level of preparation of the aerodrome movement area surface, as a category. [Description] Common category types may range from natural to completely paved.
<i>allowed values:</i> Completely Paved Partially Paved			Mostly Paved Unpaved			No Information Unprepared Other
Aerodrome Pavement Information : Aerodrome Movement Area Surface Composition	3	No Information	Enumeration	Unitless	0	The type of the predominant material of which a surface of the movement area is composed. [Description] Example surfaces include: asphalt, concrete, or grass.
<i>allowed values:</i> Asphalt Clay Gravel Macadam Other Stone			Asphalt Over Concrete Concrete Ice Membrane Pierced Steel Planking Water			Bituminous Mix Coral Landing Mat No Information Sand Wood Brick Earthen Laterite Non-bituminous Mix Snow
Aerodrome Pavement Information : Aerodrome Movement Area Surface Preparation Method	3	No Information	Enumeration	Unitless	0	The preparation technique(s) applied to a surface composition.
<i>allowed values:</i> Aggregate Seal Coat No Information Rolled			Graded Oiled Rubberized Seal Coat			Grass Other Grooved Porous Friction Course
Aerodrome Pavement Information : Aerodrome Pavement Functional Status	1	No Information	Enumeration	Unitless	0	The functional status of the pavement of an aerodrome movement area. [Description] An aerodrome movement area is that part of an aerodrome to be used for aircraft movement operations, consisting of the manoeuvring area and the apron(s).
<i>allowed values:</i> Excellent Good Estimated Under Construction			Fair No Information Unserviceable			Fair Estimated Poor Good Poor Estimated
Aerodrome Surface Status	1	No Information	Enumeration	Unitless	0	The operational status of an aerodrome movement area, as a category. [Description] For example: serviceable, unserviceable, closed, or work-in-progress.
<i>allowed values:</i> Closed Work in Progress			No Information			Open Parked or Disabled Aircraft
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
<i>allowed values:</i> -999999						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						

Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i>	No Information		Non-operational		Operational	
	Partially Operational		Planned		Temporarily Non-operational	
New Feature Code	1	GB075	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i>	GB075					
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i>	noInformation					
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i>	No Information					
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i>	No Information		Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>	Conventional		Historical Original		Historical Transliterated	
	Native Transliterated		No Information		Other	
	Unverified Original		Unverified Transliterated		Variant Original	
					Native Original	
					Provisional	
					Variant Transliterated	
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i>	-999999.0					
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999.0					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.

<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll		
<i>allowed values:</i> U								
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode		
<i>allowed values:</i> No Information			Other					
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem		
<i>allowed values:</i> noInformation								
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC		
<i>allowed values:</i> noInformation								
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer		
<i>allowed values:</i> noInformation								
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.		
<i>allowed values:</i> noInformation								
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.		
<i>allowed values:</i> False			No Information			True		
Taxiway Type	1	No Information	Enumeration	Unitless	0	The type of an aircraft taxiway based on its connectivity to other aerodrome ground surfaces.		
<i>allowed values:</i>	Air Taxiway Helicopter Ground Taxiway No Information Rapid Exit and/or Turnoff Taxiway		Aircraft Stand Taxilane Lead-in Taxilane Other Stub Taxiway			Apron Taxiway Lead-out Taxilane Parallel Taxiway Turnaround Taxiway	Dispersal Loop Perimeter	

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Taxiway (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Taxiway (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Taxiway (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Taxiway (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Taxiway (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Taxiway (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Taxiway (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Taxiway (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Taxiway (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Taxiway (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature Taxiway (Line)

New ☐ Taxiway

A defined path at an aerodrome established for the taxiing of aircraft and intended to provide a ground movement link between one part of the aerodrome and another.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Pavement Information : Aerodrome Movement Area Surface Category	1	No Information	Enumeration	Unitless	0	The level of preparation of the aerodrome movement area surface, as a category. [Description] Common category types may range from natural to completely paved.
<i>allowed values:</i>			Completely Paved Partially Paved	Mostly Paved Unpaved	No Information Unprepared	Other
Aerodrome Pavement Information : Aerodrome Movement Area Surface Composition	3	No Information	Enumeration	Unitless	0	The type of the predominant material of which a surface of the movement area is composed. [Description] Example surfaces include: asphalt, concrete, or grass.
<i>allowed values:</i>			Asphalt Clay Gravel Macadam Other Stone	Asphalt Over Concrete Concrete Ice Membrane Pierced Steel Planking Water	Bituminous Mix Coral Landing Mat No Information Sand Wood	Brick Earthen Laterite Non-bituminous Mix Snow
Aerodrome Pavement Information : Aerodrome Movement Area Surface Preparation Method	3	No Information	Enumeration	Unitless	0	The preparation technique(s) applied to a surface composition.

allowed values: Aggregate Seal Coat No Information Rolled			Graded Oiled Rubberized Seal Coat			Grass Other	Grooved Porous Friction Course
Aerodrome Pavement Information : Aerodrome Pavement Functional Status	1	No Information	Enumeration	Unitless	0	The functional status of the pavement of an aerodrome movement area. [Description] An aerodrome movement area is that part of an aerodrome to be used for aircraft movement operations, consisting of the manoeuvring area and the apron(s).	
allowed values: Excellent Good Estimated Under Construction			Fair No Information Unserviceable			Fair Estimated Poor	Good Poor Estimated
Aerodrome Surface Status	1	No Information	Enumeration	Unitless	0	The operational status of an aerodrome movement area, as a category. [Description] For example: serviceable, unserviceable, closed, or work-in-progress.	
allowed values: Closed Work in Progress			No Information			Open	Parked or Disabled Aircraft
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.	
allowed values: -999999.0							
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).	
allowed values: noInformation							
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.	
allowed values: [-999999, -999999]							
Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.	
allowed values: -999999							
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.	
allowed values: noInformation							
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.	
allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational	Operational
New Feature Code	1	GB075	CONSTRAINED_STRING	Unitless	5	Feature Code	
allowed values: GB075							
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.	
allowed values: noInformation							
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.	
allowed values: No Information							
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2	
allowed values: No Information			Other				

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC

allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
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allowed values: *False**No Information**True*

Taxiway Type	1	No Information	Enumeration	Unitless	0	The type of an aircraft taxiway based on its connectivity to other aerodrome ground surfaces.
<i>allowed values:</i> Air Taxiway Helicopter Ground Taxiway <i>No Information</i> Rapid Exit and/or Turnoff Taxiway			Aircraft Stand Taxilane Lead-in Taxilane <i>Other</i> Stub Taxiway			Apron Taxiway Lead-out Taxilane Parallel Taxiway Turnaround Taxiway Dispersal Loop Perimeter

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: *noInformation**allowed values:* *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: Taxiway (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Taxiway (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Taxiway (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Taxiway (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Taxiway (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Taxiway (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Taxiway (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Taxiway (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Taxiway (Line) - is a member of group - Exactly one - AeronauticCrv (FeatureGroup)

Feature TestSite (Area)

New ☐ Test Site

A site for the testing of technical products and equipment.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	FA100	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FA100						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: TestSite (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TestSite (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 TestSite (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 TestSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TestSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TestSite (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TestSite (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TestSite (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TestSite (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TestSite (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature TetheredBalloon (Point)New ☐ Tethered Balloon

A balloon that is tethered to the ground at an anchoring device (for example: a ring and pad) or substantial structure (for example: a mooring tower). [Description] It is usually deployed for extended periods of time and may be used, for example, for weather sensing and/or observation of the surrounding terrain.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational

New	Feature Code	1	AL510	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL510						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False		No Information		True		
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll

allowed values: *U*

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation*allowed values:* pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Relationships: TetheredBalloon (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TetheredBalloon (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 TetheredBalloon (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 TetheredBalloon (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TetheredBalloon (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TetheredBalloon (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TetheredBalloon (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TetheredBalloon (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 TetheredBalloon (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 TetheredBalloon (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TetheredBalloon (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TetheredBalloon (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)

Feature Thicket (Area)New ☐ Thicket

A tract covered mainly by low-growing, uncultured, woody plants that are thickly tangled together. [Description] For example, covered by brushwood and/or stunted trees. The predominant height may be up to 6-8 metres.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	EB020	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> EB020						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Predominant Vegetation Height	1	-999999.0	REAL	metre	0	The predominant height (the height of at least 50 percent) of the vegetation.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Undergrowth Density	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The fraction of land within a defined area that is covered by undergrowth (for example: scrub, brush, and/or bush).
<i>allowed values:</i> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Thicket (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Thicket (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Thicket (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Thicket (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Thicket (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Thicket (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Thicket (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Thicket (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Thicket (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Thicket (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Thicket (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Thicket (Area) - is a member of group - Exactly one - VegetationSrf (FeatureGroup)

Feature TidalStreamObserveStation (Point)

New ☐ Tidal Stream Observation Station

The location in a tidally influenced stream where observations are taken. [Description] Tidal stream observation stations are either anchored in place or attached to a buoy.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BG030	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BG030						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Reference Water Level	1	No Information	Enumeration	Unitless	0	The reference water level from which temporal offsets in a time-series of measurements (for example: current speed or current direction) are determined.
<i>allowed values:</i>	High Tide		Low Tide No Information			
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIntC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Tidal Current Direction	1	-999999.0	REAL	Arc Degree	0	The tidal current direction at the time of the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level.
<i>allowed values:</i>	-999999.0					

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Tidal Current Speed 4 Hours After	1	-999999.0	REAL	Knot	0	The tidal current speed 4 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<i>allowed values:</i> -999999.0						
Tidal Current Speed 4 Hours Before	1	-999999.0	REAL	Knot	0	The tidal current speed 4 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<i>allowed values:</i> -999999.0						
Tidal Current Speed 5 Hours After	1	-999999.0	REAL	Knot	0	The tidal current speed 5 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<i>allowed values:</i> -999999.0						
Tidal Current Speed 5 Hours Before	1	-999999.0	REAL	Knot	0	The tidal current speed 5 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<i>allowed values:</i> -999999.0						
Tidal Current Speed 6 Hours After	1	-999999.0	REAL	Knot	0	The tidal current speed 6 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Relationships: TidalStreamObserveStation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TidalStreamObserveStation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 TidalStreamObserveStation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 TidalStreamObserveStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TidalStreamObserveStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TidalStreamObserveStation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TidalStreamObserveStation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TidalStreamObserveStation (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)
 TidalStreamObserveStation (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 TidalStreamObserveStation (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature TidalWater (Area)New ☐ Tidal Water**Any water the level of which changes periodically due to tidal action.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bottom Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing the bottom of a body of water.

							<div> <div>allowed values:</div> <div> Bedrock Gravel and Cobble Paved Sand Soil </div> </div> <div> <div></div> <div> Clay and Silt Masonry Peat Sand and Gravel </div> </div> <div> <div></div> <div> Concrete No Information Reinforced Concrete Sand over Mud </div> </div> <div> <div></div> <div> Coral Other Rocks and Boulders Silty Sands </div> </div>
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
							<div> <div>allowed values:</div> <div>[-999999, -999999]</div> </div>
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
							<div> <div>allowed values:</div> <div>-999999.0</div> </div>
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
							<div> <div>allowed values:</div> <div>-999999.0</div> </div>
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
							<div> <div>allowed values:</div> <div>-999999.0</div> </div>
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
							<div> <div>allowed values:</div> <div>noInformation</div> </div>
New	Feature Code	1	BA040	CONSTRAINED_STRING	Unitless	5	Feature Code
							<div> <div>allowed values:</div> <div>BA040</div> </div>
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
							<div> <div>allowed values:</div> <div>noInformation</div> </div>
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
							<div> <div>allowed values:</div> <div>No Information</div> </div>
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
							<div> <div>allowed values:</div> <div>No Information</div> </div>
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
							<div> <div>allowed values:</div> <div> Conventional Native Transliterated Unverified Original </div> </div> <div> <div></div> <div> Historical Original No Information Unverified Transliterated </div> </div> <div> <div></div> <div> Historical Transliterated Other Variant Original </div> </div> <div> <div></div> <div> Native Original Provisional Variant Transliterated </div> </div>

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: TidalWater (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TidalWater (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 TidalWater (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 TidalWater (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TidalWater (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TidalWater (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TidalWater (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TidalWater (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 TidalWater (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 TidalWater (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TidalWater (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TidalWater (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature Tomb (Area)

New ☐ Tomb

A structure within which a corpse is entombed. [Description] It is often a building-like structure that may be partly or wholly underground (except for its entrance), but may be a simple enclosure cut into solid rock (for example: into a cliff face or inside of a cave). It may contain a single corpse or a related group (for example: a family) may be entombed together.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						

New	Feature Code	1	AL036	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL036						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		
					Native Original Provisional Variant Transliterated		
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.
<i>allowed values:</i> Buddhism Islam No Information Roman Catholic			Chaldean Judaism Orthodox Shia			Christian Mixed and/or No Designation Other Shinto Hinduism Nestorian Protestant Sunni
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
<i>allowed values:</i>	Arched		Columnar		Cross	Multiple Arched
	No Information		Obelisk		Other	Plaque
	Pyramidal		Spherical		Statue	Statue on Pedestal
Tomb Type	1	No Information	Enumeration	Unitless	0	The type of structure within which a corpse is entombed based on its method of construction, location, and/or occupancy.
<i>allowed values:</i>	Burial Mound		Catacomb		Cave	Columbarium
	Crypt		Mausoleum		No Information	Other
	Surface Vault					

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Tomb (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Tomb (Area) - has dataset metadata in - Zero or one - Dataset (Area)
Tomb (Area) - has dataset metadata in - Zero or one - Dataset (Table)
Tomb (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Tomb (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Tomb (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Tomb (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Tomb (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Tomb (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Tomb (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Tomb (Area) - is a member of group - Exactly one - CultureSrf (FeatureGroup)

Feature Tomb (Point)

New ☐ Tomb

A structure within which a corpse is entombed. [Description] It is often a building-like structure that may be partly or wholly underground (except for its entrance), but may be a simple enclosure cut into solid rock (for example: into a cliff face or inside of a cave). It may contain a single corpse or a related group (for example: a family) may be entombed together.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AL036	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL036						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
Religious Information : Religious Designation	1	No Information	Enumeration	Unitless	0	A designation denoting a religion or system of belief.

allowed values:	Buddhism Islam No Information Roman Catholic		Chaldean Judaism Orthodox Shia		Christian <i>Mixed and/or No Designation</i> Other Shinto	Hinduism Nestorian Protestant Sunni
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
allowed values: U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values: No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
allowed values: noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
allowed values: noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
allowed values: noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
allowed values: noInformation						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
allowed values:	Arched No Information Pyramidal		Columnar Obelisk Spherical		Cross Other Statue	Multiple Arched Plaque Statue on Pedestal
Tomb Type	1	No Information	Enumeration	Unitless	0	The type of structure within which a corpse is entombed based on its method of construction, location, and/or occupancy.
allowed values:	Burial Mound Crypt Surface Vault		Catacomb Mausoleum		Cave No Information	Columbarium Other

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Tomb (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Tomb (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Tomb (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Tomb (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Tomb (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Tomb (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Tomb (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Tomb (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Tomb (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Tomb (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Tomb (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Tomb (Point) - is a member of group - Exactly one - CulturePnt (FeatureGroup)

Feature Tower (Area)

New ☐ Tower

A relatively tall, narrow structure that may either stand alone or may form part of another structure. [Description] Usually of a square, circular, or rectangular cross-section.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AL241	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL241						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Guyed	1	No Information	Boolean	Unitless	0	An indication that an object is guided, secured, or steadied by guy wires.
	<i>allowed values:</i> False			No Information			True
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
No Information						
Pylon Configuration	1	No Information	Enumeration	Unitless	0	The configuration of a pylon or pole.
<i>allowed values:</i> 'A'						
Other						
'H'						
'T'						
'Y'						
No Information						
Pylon Material	1	No Information	Enumeration	Unitless	0	The primary type of material composing a pylon. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Aluminum						
Masonry						
Steel						
Concrete						
Metal						
Wood						
Fibreglass						
Iron						
No Information						
Other						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical Other			Domed Pitched			Flat Pyramidal No Information Semi-cylindrical
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
<i>allowed values:</i> Mast Truss			No Information Tubular			Other Pole
Tower Type	3	No Information	Enumeration	Unitless	0	The type of a tower based on its intended use(s).
<i>allowed values:</i> Drop Tower Lookout Tower Solar Power Tower			Fire Tower No Information Telecommunication Tower			Guard Tower Observation Tower Industrial Tower Other
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.
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allowed values: Cellular Phone
Other
Television (TV)

Microwave Radio Relay
Radio Broadcast

Mobile Phone
Radio Telephone

No Information
Radio-telegraph

Relationships: Tower (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Tower (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Tower (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Tower (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Tower (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Tower (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Tower (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Tower (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Tower (Area) - is a member of group - Exactly one - StructureSrf (FeatureGroup)

Feature Tower (Point)

New ☐ Tower

A relatively tall, narrow structure that may either stand alone or may form part of another structure. [Description] Usually of a square, circular, or rectangular cross-section.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
allowed values: False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
allowed values: -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
allowed values: Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	AL241	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL241							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc. [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
	Guyed	1	No Information	Boolean	Unitless	0	An indication that an object is guided, secured, or steadied by guy wires.
<i>allowed values:</i> False							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Height of Object	1	-999999.0	REAL	metre	0	The vertical distance measured from the base to the top of the feature that gives the greatest value. [Description] For example, the Height of Object of a two story building with a basement is three stories while the Height of Object of a man doesn't change as a result of standing in a trench whereas his Height Above Surface Level (based on the prevailing terrain surface level) may be considered to be correspondingly reduced by the depth of the trench.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information		True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information		Destroyed Unmaintained Dismantled	
Pylon Configuration	1	No Information	Enumeration	Unitless	0	The configuration of a pylon or pole.
<i>allowed values:</i> 'A' Other			'H' 'T'		'I' 'Y' No Information	
Pylon Material	1	No Information	Enumeration	Unitless	0	The primary type of material composing a pylon. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Aluminum Masonry Steel			Concrete Metal Wood		Fibreglass No Information Iron Other	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<u>allowed values:</u> Conical Other			Domed Pitched			Flat Pyramidal No Information Semi-cylindrical
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<u>allowed values:</u> False			No Information			True
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
<u>allowed values:</u> Mast Truss			No Information Tubular			Other Pole
Tower Type	3	No Information	Enumeration	Unitless	0	The type of a tower based on its intended use(s).
<u>allowed values:</u> Drop Tower Lookout Tower Solar Power Tower			Fire Tower No Information Telecommunication Tower			Guard Tower Observation Tower Industrial Tower Other
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<u>allowed values:</u> noInformation						
<u>allowed values:</u> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<u>allowed values:</u> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0						
Wireless Telecommunication Information : Wireless Telecommunication Type	1	No Information	Enumeration	Unitless	0	The type of a wireless telecommunication service based on the mechanism(s) of transmission and/or the nature of the communication(s) supported. [Description] For example, radio broadcast or mobile phone service.

allowed values: Cellular Phone
Other
Television (TV)

Microwave Radio Relay
Radio Broadcast

Mobile Phone
Radio Telephone

No Information
Radio-telegraph

Relationships: Tower (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Tower (Point) - has dataset metadata in - Zero or one - Dataset (Area)
Tower (Point) - has dataset metadata in - Zero or one - Dataset (Table)
Tower (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Tower (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Tower (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Tower (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Tower (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
Tower (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Tower (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Tower (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Tower (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature TrafficLight (Point)

New ☐ Traffic Light

A set of automatic lights (usually red, amber, and green) for controlling road traffic, especially at a road intersection. [Description] Usually attached to tall poles or suspended from overhead cables.

	Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	allowed values: <i>noInformation</i>						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	allowed values: <i>[-999999, -999999]</i>						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	allowed values: <i>noInformation</i>						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	allowed values: No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AQ160	CONSTRAINED_STRING	Unitless	5	Feature Code
	allowed values: <i>AQ160</i>						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	allowed values: <i>noInformation</i>						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	allowed values: No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: TrafficLight (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
TrafficLight (Point) - has dataset metadata in - Zero or one - Dataset (Area)
TrafficLight (Point) - has dataset metadata in - Zero or one - Dataset (Table)
TrafficLight (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
TrafficLight (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
TrafficLight (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
TrafficLight (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
TrafficLight (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
TrafficLight (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature TrafficSeparationScheme (Area)

New ☐ Traffic Separation Scheme

A maritime routing measure that separates opposing streams of traffic by appropriate means. [Description] For example, traffic lanes and traffic circles. Often referred to by its acronym, TSS.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> No Information			Other			Private Public
Direction of Flow	1	-999999.0	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	FC041	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> FC041						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
IMO Adopted	1	No Information	Boolean	Unitless	0	An indication that a Traffic Separation Scheme (TSS) has been adopted by the International Maritime Organization (IMO).
<i>allowed values:</i> False			No Information			True

Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
<i>allowed values:</i> False			No Information			True
Maritime Traffic Separation Scheme Component	1	No Information	Enumeration	Unitless	0	The type of a component of a maritime Traffic Separation Scheme (TSS) based on its purpose. [Description] A TSS is a routing scheme whose intent is to reduce the risk of collision in congested and/or converging areas by separating traffic moving in opposite, or nearly opposite, directions.
<i>allowed values:</i> Boundary Lane Part Outbound Lane Separation Zone			Crossing Line Point			Inbound Lane No Information Precautionary Area Inshore Traffic Zone Other Roundabout
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

TSS-associated Aids to Navigation	1	No Information	String	Unitless	2E+09	A description of marked navigational aids that are either associated with or supporting a maritime Traffic Separation Scheme (TSS).
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allowed values: No Information

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: TrafficSeparationScheme (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TrafficSeparationScheme (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 TrafficSeparationScheme (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 TrafficSeparationScheme (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TrafficSeparationScheme (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TrafficSeparationScheme (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TrafficSeparationScheme (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TrafficSeparationScheme (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 TrafficSeparationScheme (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 TrafficSeparationScheme (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature TrafficSeparationScheme (Line)

New ☐ Traffic Separation Scheme

A maritime routing measure that separates opposing streams of traffic by appropriate means. [Description] For example, traffic lanes and traffic circles. Often referred to by its acronym, TSS.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> No Information			Other			Private Public
	Direction of Flow	1	-999999.0	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	FC041	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> FC041						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	IMO Adopted	1	No Information	Boolean	Unitless	0	An indication that a Traffic Separation Scheme (TSS) has been adopted by the International Maritime Organization (IMO).
	<i>allowed values:</i> False			No Information			True
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
	<i>allowed values:</i> False			No Information			True

Maritime Traffic Separation Scheme Component	1	No Information	Enumeration	Unitless	0	The type of a component of a maritime Traffic Separation Scheme (TSS) based on its purpose. [Description] A TSS is a routing scheme whose intent is to reduce the risk of collision in congested and/or converging areas by separating traffic moving in opposite, or nearly opposite, directions.
<i>allowed values:</i> Boundary Lane Part Outbound Lane Separation Zone			Crossing Line Point			Inbound Lane No Information Precautionary Area Inshore Traffic Zone Other Roundabout
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.

allowed values: *noInformation*

TSS-associated Aids to Navigation	1	No Information	String	Unitless	2E+09	A description of marked navigational aids that are either associated with or supporting a maritime Traffic Separation Scheme (TSS).
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allowed values: *No Information*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation*allowed values: *pimGUID*

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: TrafficSeparationScheme (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TrafficSeparationScheme (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 TrafficSeparationScheme (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 TrafficSeparationScheme (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TrafficSeparationScheme (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TrafficSeparationScheme (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TrafficSeparationScheme (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TrafficSeparationScheme (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)
 TrafficSeparationScheme (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 TrafficSeparationScheme (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature TrafficSeparationScheme (Point)

New ☐ Traffic Separation Scheme

A maritime routing measure that separates opposing streams of traffic by appropriate means. [Description] For example, traffic lanes and traffic circles. Often referred to by its acronym, TSS.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: *noInformation*

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: *[-999999, -999999]*

Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
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allowed values: *No Information*

Direction of Flow	1	-999999.0	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
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allowed values: *-999999.0*

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: *noInformation*

New	Feature Code	1	FC041	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> FC041						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information						
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated
	IMO Adopted	1	No Information	Boolean	Unitless	0	An indication that a Traffic Separation Scheme (TSS) has been adopted by the International Maritime Organization (IMO).
	<i>allowed values:</i> False						True
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Maritime Navigation Marked	1	No Information	Boolean	Unitless	0	An indication that a feature is significant to maritime safety of navigation and is marked (for example: by a light or beacon) by a maritime-specific navigational aid. [Description] Mariners may also use other prominent features (for example: rotating aeronautical beacons or lighted structures) for informal navigational purposes.
	<i>allowed values:</i> False						True
	Maritime Traffic Separation Scheme Component	1	No Information	Enumeration	Unitless	0	The type of a component of a maritime Traffic Separation Scheme (TSS) based on its purpose. [Description] A TSS is a routing scheme whose intent is to reduce the risk of collision in congested and/or converging areas by separating traffic moving in opposite, or nearly opposite, directions.
	<i>allowed values:</i> Boundary Lane Part Outbound Lane Separation Zone		Crossing Line Point		Inbound Lane No Information Precautionary Area		Inshore Traffic Zone Other Roundabout
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
TSS-associated Aids to Navigation	1	No Information	String	Unitless	2E+09	A description of marked navigational aids that are either associated with or supporting a maritime Traffic Separation Scheme (TSS).
<i>allowed values:</i> No Information						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: TrafficSeparationScheme (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TrafficSeparationScheme (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 TrafficSeparationScheme (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 TrafficSeparationScheme (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TrafficSeparationScheme (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TrafficSeparationScheme (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TrafficSeparationScheme (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TrafficSeparationScheme (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)
 TrafficSeparationScheme (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 TrafficSeparationScheme (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Trail (Line) New ☐ Trail

A path worn by the passage of people or animals.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Contained within Tunnel	1	No Information	Boolean	Unitless	0	The object is at least partially located within, or passes through, a tunnel. [Description] For example, a canal passing through a tunnel.
<i>allowed values:</i> False			No Information			True
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Deck Level	1	-999999	Integer	unitless	0	The relative level of a deck within a set of vertically stacked decks, one over another, in a transportation structure (for example: on a bridge or in a tunnel). [Description] The lowest deck is numbered '1' and the remaining decks are numbered in ascending order (bottom to top) with the uppermost deck being assigned the highest value. When no deck is present, the deck level is zero.
<i>allowed values:</i> -999999						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AP050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AP050						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
	<u>allowed values:</u> Depressed			Level			No Information Raised

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Pavement Information : Road Weather Restriction	1	No Information	Enumeration	Unitless	0	The type of weather conditions under which a road is usable.
<i>allowed values:</i> All-weather No Information			Closed in Winter Other			Fair-weather Winter Only Limited All-weather
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Supported by Bridge Span	1	No Information	Boolean	Unitless	0	The object is at least partially supported by, or passes across, a bridge span. [Description] For example, an aqueduct carried across a valley by one or more bridge spans.
<i>allowed values:</i> False			No Information			True
Through Route	1	No Information	Boolean	Unitless	0	An indication that a ground transportation route (for example: road, cart track or trail) is the most direct way through (both into and then out of) a built-up area or populated place. [Description] Routes may branch off of the main through route providing an alternate through route out of the built-up area or populated place. The direct or alternate ways through a built-up area or populated place may consist of the quickest or shortest route. A through route may have devices (for example: traffic lights) to control traffic flow.
<i>allowed values:</i> False			No Information			True

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
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allowed values: Below Ground Surface

No Information

On Surface

On Waterbody Bottom

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Trail (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Trail (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Trail (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Trail (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Trail (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Trail (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Trail (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Trail (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Trail (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Trail (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Trail (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Trail (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature TrainingSite (Area)New ☐ Training Site**A site reserved for training.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	FA165	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> FA165						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> CBRNE Civilian Support Emergency Operations Law Enforcement Public Order Sports Centre			Civil Intelligence Emergency Relief Services Meeting Place Rescue and Paramedical Services Vocational Education			Club Firefighting No Information Safety Defence Activities Government Other Shooting Range
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: TrainingSite (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TrainingSite (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 TrainingSite (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 TrainingSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TrainingSite (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TrainingSite (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TrainingSite (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TrainingSite (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 TrainingSite (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 TrainingSite (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TrainingSite (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TrainingSite (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature TrainingSite (Point)

New ☐ Training Site

A site reserved for training.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

allowed values: -999999.0

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	FA165	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> FA165						
	Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
	<i>allowed values:</i> CBRNE Civilian Support Emergency Operations Law Enforcement Public Order Sports Centre			Civil Intelligence Emergency Relief Services Meeting Place Rescue and Paramedical Services Vocational Education			Club Firefighting No Information Safety Defence Activities Government Other Shooting Range
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999.0

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: *noInformation*

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: *noInformation*

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: *noInformation*

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: *noInformation**allowed values:* *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships:

- TrainingSite (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
- TrainingSite (Point) - has dataset metadata in - Zero or one - Dataset (Area)
- TrainingSite (Point) - has dataset metadata in - Zero or one - Dataset (Table)
- TrainingSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
- TrainingSite (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
- TrainingSite (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
- TrainingSite (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
- TrainingSite (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
- TrainingSite (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
- TrainingSite (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
- TrainingSite (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
- TrainingSite (Point) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup)

Feature TransportationBlock (Area)

New ☐ Transportation Block

A substantial semi-permanent assemblage of material, usually in the form of concrete blocks and/or cylinders, positioned alongside or above a land transportation route, ready to be activated as a potential barrier. [Description] For example, a rolling block is positioned alongside the route and a drop gate is positioned above the route.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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	Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<i>allowed values:</i> -999999.0						
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AQ068	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ068						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation Block Type	1	No Information	Enumeration	Unitless	0	The type of a transportation block based on its method of action. [Description] May be used as a means of subtyping Feature: 'Transportation Block'.
<i>allowed values:</i> Drop Gate			No Information			Rolling Block
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Canal Railway			No Information Road			Pedestrian

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: TransportationBlock (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TransportationBlock (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 TransportationBlock (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 TransportationBlock (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TransportationBlock (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TransportationBlock (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TransportationBlock (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TransportationBlock (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TransportationBlock (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature TransportationBlock (Point)

New ☐ Transportation Block

A substantial semi-permanent assemblage of material, usually in the form of concrete blocks and/or cylinders, positioned alongside or above a land transportation route, ready to be activated as a potential barrier. [Description] For example, a rolling block is positioned alongside the route and a drop gate is positioned above the route.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
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allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: noInformation

Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
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allowed values: No Information
 Partially Operational
 Non-operational
 Planned
 Not in Operation
 Temporarily Non-operational
 Operational

New Feature Code	1	AQ068	CONSTRAINED_STRING	Unitless	5	Feature Code
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<i>allowed values:</i> AQ068						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information Other						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation Block Type	1	No Information	Enumeration	Unitless	0	The type of a transportation block based on its method of action. [Description] May be used as a means of subtyping Feature: 'Transportation Block'.
<i>allowed values:</i> Drop Gate						
			No Information		Other	
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Canal						
			No Information		Other	
			Road		Pedestrian	
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: TransportationBlock (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TransportationBlock (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 TransportationBlock (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 TransportationBlock (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TransportationBlock (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TransportationBlock (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TransportationBlock (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TransportationBlock (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 TransportationBlock (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 TransportationBlock (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TransportationBlock (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TransportationBlock (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature TransportationStation (Area)New ☐ Transportation Station

A station, usually having associated structures, which serves as a place for disembarking or taking on passengers or freight along a transportation route. [Description]
Transportation routes may include railway, pipeline, road, water or air. Transportation stations may have associated structures for vehicle parking or ticket sales.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.
<i>allowed values:</i> False			No Information			True
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ125	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ125						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

allowed values: Air Transport
Emergency Operations
Inland Waters Transport
Meeting Place
Pedestrian Transport
Railway Transport
Security Services
Transfer Hub
Water Transport

Bar
Food Service
Inspection
Motor Vehicle Parking
Pipeline Transport
Restaurant
Station
Transportation Hub

Canal Transport
Hotel
Inspection Station
No Information
Postal Activities
Restroom
Stop
Travel Agency

Customs Checkpoint
Immigration Control
Law Enforcement
Other
Railway Passenger Transport
Road Transport
Terminal
Warehousing and Storage

New Feature Unique Identifier 1 noInformation StructuredText Unitless 254 When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Geographic Name Information : Full Name 1 No Information String Unitless 200 A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information

New (Location Country) Designation : GENC Short URN-based Identifier 1 No Information CodeList Unitless 24 The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at <http://nsgreg.nga.mil/genc>. [Hyperlink] <http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2>

allowed values: No Information

Other

Geographic Name Information : Geographic Name Type 1 No Information Enumeration Unitless The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

allowed values: Conventional
Native Transliterated
Unverified Original

Historical Original
No Information
Unverified Transliterated

Historical Transliterated
Other
Variant Original

Native Original
Provisional
Variant Transliterated

Hazard Shelter Intended Use 3 No Information Enumeration Unitless 0 The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.

allowed values: Bomb Shelter
Storm Shelter

Fallout Shelter

No Information

Other

Height Above Surface Level 1 -999999.0 REAL metre 0 The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.

allowed values: -999999.0

Highest Elevation 1 -999999.0 REAL metre 0 The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999.0

Length 1 -999999.0 REAL metre 0 The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.

allowed values: -999999.0

Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants. [Description] For example, an apartment building consisting of multiple self-contained residences individually including spaces for personal activities, cooking, eating, sleeping, and (usually) a private bathroom, or an office building housing multiple commercial establishments individually including spaces for reception, meetings, single or open-plan work areas, as well as individual or common-use bathrooms or cafeterias.
<i>allowed values:</i> False			No Information			True
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aeronautical Canal Railway			Automotive No Information Road			Bus Other Truck Cableway Pedestrian Underground Railway
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: TransportationStation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TransportationStation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 TransportationStation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 TransportationStation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TransportationStation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TransportationStation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TransportationStation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TransportationStation (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 TransportationStation (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 TransportationStation (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TransportationStation (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TransportationStation (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature TransportationStation (Point)New ☐ Transportation Station

A station, usually having associated structures, which serves as a place for disembarking or taking on passengers or freight along a transportation route. [Description]
Transportation routes may include railway, pipeline, road, water or air. Transportation stations may have associated structures for vehicle parking or ticket sales.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Attached Building	1	No Information	Boolean	Unitless	0	An indication that a building is physically contiguous (for example: shares a common wall) with one or more adjacent buildings. [Description] When a single residence is attached to a single adjacent residence it is considered to be 'semi-detached' and may be termed a 'duplex'. When a single residence is attached to two adjacent residences on opposite sides to form a row it is termed a 'terraced house' or 'row house'.
<i>allowed values:</i> False			No Information			True
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ125	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ125						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.

allowed values: Air Transport
Emergency Operations
Inland Waters Transport
Meeting Place
Pedestrian Transport
Railway Transport
Security Services
Transfer Hub
Water Transport

Bar
Food Service
Inspection
Motor Vehicle Parking
Pipeline Transport
Restaurant
Station
Transportation Hub

Canal Transport
Hotel
Inspection Station
No Information
Postal Activities
Restroom
Stop
Travel Agency

Customs Checkpoint
Immigration Control
Law Enforcement
Other
Railway Passenger Transport
Road Transport
Terminal
Warehousing and Storage

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
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allowed values: *noInformation*

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
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allowed values: *No Information*

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
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allowed values: *No Information*

Other

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original			Historical Original <i>No Information</i> Unverified Transliterated			Historical Transliterated <i>Other</i> Variant Original
						Native Original Provisional Variant Transliterated

Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
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allowed values: Bomb Shelter
Storm Shelter

Fallout Shelter

No Information

Other

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
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allowed values: *-999999.0*

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
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allowed values: *-999999.0*

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Located Underground	1	No Information	Boolean	Unitless	0	The feature (for example: a parking garage, storage tank, or a transportation station) is located underground.
<i>allowed values:</i> False			No Information			True
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Multi-unit Building	1	No Information	Boolean	Unitless	0	An indication that a building is divided into two or more distinct sets of rooms or other interior spaces that are internally fully-connected while being separated from each other and common areas by controlled access point(s) (for example: lockable doors) that enable physical privacy and security for its occupants. [Description] For example, an apartment building consisting of multiple self-contained residences individually including spaces for personal activities, cooking, eating, sleeping, and (usually) a private bathroom, or an office building housing multiple commercial establishments individually including spaces for reception, meetings, single or open-plan work areas, as well as individual or common-use bathrooms or cafeterias.
<i>allowed values:</i> False			No Information			True
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Roof Shape	3	No Information	Enumeration	Unitless	0	The configuration(s) and/or appearance(s) of a roof.
<i>allowed values:</i> Conical No Information Pyramidal			Domed Other Sawtoothed			Flat Pitched Semi-cylindrical Flat with Clerestory Pitched with Clerestory With Clerestory
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aeronautical Canal Railway			Automotive No Information Road			Bus Other Truck Cableway Pedestrian Underground Railway
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: TransportationStation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TransportationStation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 TransportationStation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 TransportationStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TransportationStation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TransportationStation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TransportationStation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TransportationStation (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 TransportationStation (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 TransportationStation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TransportationStation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TransportationStation (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature TransRouteCharacterChange (Line)New ☐ Transportation Route Characteristic Change

A section of a transportation route where its size (for example: narrowing or expansion in width) and/or operating speed is significantly different than in the adjacent sections of the route. [Description] For example, an increase or decrease in the number of lanes in a road. Constrictions along or beside a transportation route may impede the flow of vehicles or people thus resulting in 'choke points'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<i>allowed values:</i> Difficult			Easy			Impossible No Information
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AQ059	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ059						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Horizontal Clearance	1	-999999.0	REAL	metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOOwnerProducer
<i>allowed values:</i> noInformation						
Route Minimum Travelled Way Width	1	-999999.0	REAL	metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.
<i>allowed values:</i> -999999.0						
Route Width Constriction Type	1	No Information	Enumeration	Unitless	0	The type of a route width constriction based on the nature of the surrounding area. [Description] For example, reduction in road width to less than 4 metres is considered to be a constriction. Width restrictions cause vehicles and people to travel through narrow passages creating choke points.

<i>allowed values:</i>	Arcade Building Curb Embankment Ford Hedgerow Other Pipeline Crossing Point Ramp Rock Formation Transportation Block		Bridge Pier Causeway Structure Cut Entrance and/or Exit Gallery Memorial Monument Parking Garage Prepared Watercourse Crossing Reduced Track or Lane Count Route-related Structure Transportation Route Protection Structure		Bridge Superstructure Cave Dam Fence Gantry No Information Pass Railway Signal Retail Stand Stair Tunnel	Bridge Tower Culvert Dropgate Fire Hydrant Gate Non-building Structure Pipeline Railway Switch Road Interchange Steep Terrain Face Underpass
Route Width Expansion Type	1	No Information	Enumeration	Unitless	0	The type of a route width expansion based on the nature of the expansion and/or surrounding area.
<i>allowed values:</i>	Increased Track or Lane Count Roadside Rest Area		No Information Shoulder		Other Siding	Railway Sidetrack
Safe Horizontal Clearance	1	-999999.0	REAL	metre	0	Minimum safe horizontal distance between adjacent structures on either side of a navigable channel.
<i>allowed values:</i>	-999999.0					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Traffic Restriction Type	1	No Information	Enumeration	Unitless	0	The reason for traffic restriction based on the nature of the route.
<i>allowed values:</i>	No Information Road Interchange		Other Sharp Curves		Railway Switch Steep Grades	Reduced Track or Lane Count
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i>	Canal Pedestrian		Inland Waterway Railway		No Information Road	Other
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i>	noInformation					
<i>allowed values:</i>	pimGUID					

Relationships: TransRouteCharacterChange (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TransRouteCharacterChange (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 TransRouteCharacterChange (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 TransRouteCharacterChange (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TransRouteCharacterChange (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TransRouteCharacterChange (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TransRouteCharacterChange (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TransRouteCharacterChange (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 TransRouteCharacterChange (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 TransRouteCharacterChange (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TransRouteCharacterChange (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TransRouteCharacterChange (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature TransRouteCharacterChange (Point)

New ☐ Transportation Route Characteristic Change

A section of a transportation route where its size (for example: narrowing or expansion in width) and/or operating speed is significantly different than in the adjacent sections of the route. [Description] For example, an increase or decrease in the number of lanes in a road. Constrictions along or beside a transportation route may impede the flow of vehicles or people thus resulting in 'choke points'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
<i>allowed values:</i> Difficult			Easy			Impossible No Information
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AQ059	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ059						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Horizontal Clearance	1	-999999.0	REAL	metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Route Minimum Travelled Way Width	1	-999999.0	REAL	metre	0	The minimum width of the travelled way of a route. [Description] Excludes pavements and shoulders.
<i>allowed values:</i> -999999.0						
Route Width Constriction Type	1	No Information	Enumeration	Unitless	0	The type of a route width constriction based on the nature of the surrounding area. [Description] For example, reduction in road width to less than 4 metres is considered to be a constriction. Width restrictions cause vehicles and people to travel through narrow passages creating choke points.

<i>allowed values:</i>	Arcade Building Curb Embankment Ford Hedgerow <i>Other</i> Pipeline Crossing Point Ramp Rock Formation Transportation Block		Bridge Pier Causeway Structure Cut Entrance and/or Exit Gallery Memorial Monument Parking Garage Prepared Watercourse Crossing Reduced Track or Lane Count Route-related Structure Transportation Route Protection Structure		Bridge Superstructure Cave Dam Fence Gantry <i>No Information</i> Pass Railway Signal Retail Stand Stair Tunnel	Bridge Tower Culvert Dropgate Fire Hydrant Gate Non-building Structure Pipeline Railway Switch Road Interchange Steep Terrain Face Underpass
Route Width Expansion Type	1	No Information	Enumeration	Unitless	0	The type of a route width expansion based on the nature of the expansion and/or surrounding area.
<i>allowed values:</i>	Increased Track or Lane Count Roadside Rest Area		<i>No Information</i> Shoulder		<i>Other</i> Siding	Railway Sidetrack
Safe Horizontal Clearance	1	-999999.0	REAL	metre	0	Minimum safe horizontal distance between adjacent structures on either side of a navigable channel.
<i>allowed values:</i>	-999999.0					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Traffic Restriction Type	1	No Information	Enumeration	Unitless	0	The reason for traffic restriction based on the nature of the route.
<i>allowed values:</i>	<i>No Information</i> Road Interchange		<i>Other</i> Sharp Curves		Railway Switch Steep Grades	Reduced Track or Lane Count
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i>	Canal Pedestrian		Inland Waterway Railway		<i>No Information</i> Road	<i>Other</i>
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i>	noInformation					
<i>allowed values:</i>	pimGUID					

Relationships: TransRouteCharacterChange (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TransRouteCharacterChange (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 TransRouteCharacterChange (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 TransRouteCharacterChange (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TransRouteCharacterChange (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TransRouteCharacterChange (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TransRouteCharacterChange (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TransRouteCharacterChange (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 TransRouteCharacterChange (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 TransRouteCharacterChange (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TransRouteCharacterChange (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TransRouteCharacterChange (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature TransRouteProtectStruct (Area)

New ☐ Transportation Route Protection Structure

A structure built over and/or along a transportation route designed to prevent damage to, or blockage of, the route from rock slides, snow slides and/or weather phenomena. [Description] For example, a snow shed, a rock shed or a gallery. These structures are usually located in rugged mountainous regions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> No Information Other Private Public
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL211	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> AL211
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set. <i>allowed values:</i> noInformation

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Horizontal Clearance	1	-999999.0	REAL	metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information		True	
	Overhead Clearance	1	-999999.0	REAL	metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
	<u>allowed values:</u> -999999.0						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information		Destroyed Unmaintained	Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<u>allowed values:</u> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation Route Protection Structure Type	1	No Information	Enumeration	Unitless	0	The type of a transportation route protection structure based on its configuration and/or intended purpose.
<i>allowed values:</i> Gallery Rock Protection Shed			No Information Snow Protection Shed			Other Protection Shed
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Canal Road			No Information			Other Railway
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: TransRouteProtectStruct (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TransRouteProtectStruct (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 TransRouteProtectStruct (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 TransRouteProtectStruct (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TransRouteProtectStruct (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TransRouteProtectStruct (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TransRouteProtectStruct (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TransRouteProtectStruct (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TransRouteProtectStruct (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TransRouteProtectStruct (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature TransRouteProtectStruct (Line)

New ☐ Transportation Route Protection Structure

A structure built over and/or along a transportation route designed to prevent damage to, or blockage of, the route from rock slides, snow slides and/or weather phenomena.
[Description] For example, a snow shed, a rock shed or a gallery. These structures are usually located in rugged mountainous regions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> No Information			Other			Private Public
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AL211	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL211						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

<i>allowed values:</i> <i>noInformation</i>						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information <i>Other</i>						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999.0</i>						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999.0</i>						
Horizontal Clearance	1	-999999.0	REAL	metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
<i>allowed values:</i> <i>-999999.0</i>						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999.0</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> <i>False</i> <i>No Information</i> <i>True</i>						
Overhead Clearance	1	-999999.0	REAL	metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
<i>allowed values:</i> <i>-999999.0</i>						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact <i>Damaged</i> <i>No Information</i> <i>Destroyed</i> <i>Unmaintained</i> <i>Dismantled</i>						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMClassificationAll
<i>allowed values:</i> <i>U</i>						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation Route Protection Structure Type	1	No Information	Enumeration	Unitless	0	The type of a transportation route protection structure based on its configuration and/or intended purpose.
<i>allowed values:</i> Gallery Rock Protection Shed			No Information Snow Protection Shed			Other Protection Shed
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Canal Road			No Information			Other Railway
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: TransRouteProtectStruct (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TransRouteProtectStruct (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 TransRouteProtectStruct (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 TransRouteProtectStruct (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TransRouteProtectStruct (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TransRouteProtectStruct (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TransRouteProtectStruct (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TransRouteProtectStruct (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 TransRouteProtectStruct (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 TransRouteProtectStruct (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TransRouteProtectStruct (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TransRouteProtectStruct (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature TransRouteProtectStruct (Point)

New ☐ Transportation Route Protection Structure

A structure built over and/or along a transportation route designed to prevent damage to, or blockage of, the route from rock slides, snow slides and/or weather phenomena.
[Description] For example, a snow shed, a rock shed or a gallery. These structures are usually located in rugged mountainous regions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> No Information			Other			
			Private		Public	
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information			Non-operational			
Partially Operational			Planned		Not in Operation	
			Temporarily Non-operational		Operational	
New Feature Code	1	AL211	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL211						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
New	<u>allowed values:</u> noInformation (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information		Other				
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Horizontal Clearance	1	-999999.0	REAL	metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False		No Information			True	
	Overhead Clearance	1	-999999.0	REAL	metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
	<u>allowed values:</u> -999999.0						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation Route Protection Structure Type	1	No Information	Enumeration	Unitless	0	The type of a transportation route protection structure based on its configuration and/or intended purpose.
<i>allowed values:</i> Gallery Rock Protection Shed			No Information Snow Protection Shed			Other Protection Shed
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Canal Road			No Information			Other Railway

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: TransRouteProtectStruct (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TransRouteProtectStruct (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 TransRouteProtectStruct (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 TransRouteProtectStruct (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TransRouteProtectStruct (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TransRouteProtectStruct (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TransRouteProtectStruct (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TransRouteProtectStruct (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 TransRouteProtectStruct (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 TransRouteProtectStruct (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TransRouteProtectStruct (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TransRouteProtectStruct (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature Tree (Point)

New ☐ Tree

An individual woody perennial plant, typically having a single stem or trunk growing to a considerable height and bearing lateral branches at some distance from the ground. [Description] May be distinguished by its relative isolation from other features, thus serving as a landmark.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	EC005	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EC005						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Foliage Type	1	No Information	Enumeration	Unitless	0	The predominant foliage type of the vegetation.
<u>allowed values:</u>	Deciduous		Evergreen			No Information Other
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u>	No Information					
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u>	No Information		Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u>	-999999.0					
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u>	-999999.0					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u>	False		No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<u>allowed values:</u>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode

<u>allowed values:</u> No Information			Other			
Restriction Information : Security Attributes Group <resource non-dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation						
Stem Diameter	1	[-999999.0, -999999.0]	REAL_Interval	Metre	0	The average diameter of the tree trunks in an area, measured at a height of approximately 1.5 metres or 4.5 feet on the high side (if on a hillside) above the surface of the ground. [Description] Commonly referred to as the 'diameter at breast height' (dbh). For trees up to 2 metres high, the stem diameter is measured at the mid-point between the ground and the stem tip.
<u>allowed values:</u> [-999999.0, -999999.0]						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<u>allowed values:</u> noInformation						
<u>allowed values:</u> pimGUID						
Vegetation Species	1	No Information	Enumeration	Unitless	0	The predominant species of a tract of vegetation.
<u>allowed values:</u> Casuarina Filao Other			Conifer Mangrove Palm			Cypress Nipa Eucalyptus No Information

Relationships: Tree (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Tree (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Tree (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Tree (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Tree (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Tree (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Tree (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Tree (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Tree (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Tree (Point) - is a member of group - Exactly one - VegetationPnt (FeatureGroup)

Feature Tundra (Area)New ☐ Tundra

A vast, nearly level, treeless arctic region usually with a marshy surface and underlying permafrost.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BJ110	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BJ110						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISNonIC	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISOwnerProducer	
<i>allowed values:</i> noInformation							
New Snow or Ice Depth	1	[-999999.0, -999999.0]	REAL_Interval	Metre	0	The depth of the snow or ice. [Description] The snow or ice layer ranges from the top of the snow or ice surface to the underlying terrain.	
<i>allowed values:</i> [-999999.0, -999999.0]							

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
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allowed values: -999999.0

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Tundra (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Tundra (Area) - has dataset metadata in - Zero or one - Dataset (Area)
Tundra (Area) - has dataset metadata in - Zero or one - Dataset (Table)
Tundra (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Tundra (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Tundra (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Tundra (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Tundra (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
Tundra (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
Tundra (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
Tundra (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
Tundra (Area) - is a member of group - Exactly one - VegetationSrf (FeatureGroup)

Feature Tunnel (Area)

New ☐ Tunnel

An underground passage that is open at both ends and usually contains a land transportation route (for example: a road and/or a railway). [Description] Commonly used to pass through a hill or mountain, or under a river or road. May also provide underground passage in a mine.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
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	allowed values: -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	allowed values: noInformation						
	Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
	allowed values: Difficult			Easy			Impossible
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	allowed values: [-999999, -999999]						No Information
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	allowed values: No Information			Other			Private
	Deck Count	1	-999999	Integer	unitless	0	The number of vertically stacked decks, one over another, in a transportation structure (for example: a bridge or a tunnel).
	allowed values: -999999						Public
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	allowed values: -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	allowed values: noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	allowed values: No Information			Non-operational			Not in Operation
	Partially Operational			Planned			Temporarily Non-operational
New	Feature Code	1	AQ130	CONSTRAINED_STRING	Unitless	5	Feature Code
	allowed values: AQ130						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	allowed values: noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	allowed values: No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	allowed values: No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.	
<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information	Other
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Horizontal Clearance	1	-999999.0	REAL	metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.	
<i>allowed values:</i> -999999.0							
Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.	
<i>allowed values:</i> -999999.0							
Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Overhead Clearance	1	-999999.0	REAL	metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.	
<i>allowed values:</i> -999999.0							
Pedestrian Traversable	1	No Information	Boolean	Unitless	0	An indication that a feature is traversable on foot.	
<i>allowed values:</i> False			No Information			True	
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Total Usable Width	1	-999999.0	REAL	Metre	0	The total usable width of the travelled way of a route. [Description] Includes pavements and shoulders.
<i>allowed values:</i> -999999.0						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aqueduct No Transportation System Railway			Canal Other Road		Inland Waterway Pedestrian Taxiway	No Information Portage

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Tunnel (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Tunnel (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Tunnel (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Tunnel (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Tunnel (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Tunnel (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Tunnel (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Tunnel (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Tunnel (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature Tunnel (Line)

New ☐ Tunnel

An underground passage that is open at both ends and usually contains a land transportation route (for example: a road and/or a railway). [Description] Commonly used to pass through a hill or mountain, or under a river or road. May also provide underground passage in a mine.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.

allowed values: -999999.0

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
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allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

Bypass Condition	1	No Information	Enumeration	Unitless	0	The ease or ability to circumvent a destroyed section of bridge, tunnel or pass within a distance of two kilometres from the feature. [Description] Bypass condition will not consider other bridges in bypass determination.
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allowed values: Difficult

Easy

Impossible

No Information

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
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allowed values: No Information

Other

Private

Public

Deck Count	1	-999999	Integer	unitless	0	The number of vertically stacked decks, one over another, in a transportation structure (for example: a bridge or a tunnel).
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allowed values: -999999

	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AQ130	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ130						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Horizontal Clearance	1	-999999.0	REAL	metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
	<i>allowed values:</i> -999999.0						
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.

allowed values: -999999.0

Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
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allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Overhead Clearance	1	-999999.0	REAL	metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
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allowed values: -999999.0

Pedestrian Traversable	1	No Information	Boolean	Unitless	0	An indication that a feature is traversable on foot.
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allowed values: False

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Total Usable Width	1	-999999.0	REAL	Metre	0	The total usable width of the travelled way of a route. [Description] Includes pavements and shoulders.
<i>allowed values:</i> -999999.0						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aqueduct No Transportation System Railway			Canal Other Road			Inland Waterway Pedestrian Taxiway No Information Portage
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Tunnel (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Tunnel (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Tunnel (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Tunnel (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Tunnel (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Tunnel (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Tunnel (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Tunnel (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Tunnel (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Tunnel (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Tunnel (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Tunnel (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature TunnelMouth (Point)New ☐ Tunnel Mouth

The opening of a tunnel into a larger space (for example: onto the terrain surface). [Description] A tunnel is usually open to the terrain surface at both ends, but may sometimes lead to an enclosed space, for example: leading to an underground bunker, into an underground mine (termed an 'adit') or into an underground railway station.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AQ095	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ095						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Horizontal Clearance	1	-999999.0	REAL	metre	0	The distance available to pass a load that extends laterally beyond the wheels of a vehicle.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Overhead Clearance	1	-999999.0	REAL	metre	0	The least distance between the travelled way and any obstruction vertically above it. [Description] Reference STANAG 2253.
	<i>allowed values:</i> -999999.0						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> Aqueduct No Transportation System Railway			Canal Other Road			Inland Waterway Pedestrian Taxiway No Information Portage
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Relationships: TunnelMouth (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 TunnelMouth (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 TunnelMouth (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 TunnelMouth (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 TunnelMouth (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 TunnelMouth (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 TunnelMouth (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 TunnelMouth (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 TunnelMouth (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 TunnelMouth (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 TunnelMouth (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 TunnelMouth (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature **UndergroundBunker (Area)** New ☐ Underground Bunker

A reinforced underground shelter. [Description] May be located within a mountain or buried below the terrain. Often used as an underground facility for military command, control, and/or troop billeting.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Deepest Depth Below Surface Level	1	-999999.0	REAL	metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AH060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AH060						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
Least Depth Below Surface Level	1	-999999.0	REAL	metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Air Force Marines			Army Navy			Coastguard No Information Joint Other
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Bedrock No Information Soil			Brick Other			Concrete Prestressed Concrete Masonry Reinforced Concrete
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: UndergroundBunker (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 UndergroundBunker (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 UndergroundBunker (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 UndergroundBunker (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 UndergroundBunker (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 UndergroundBunker (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 UndergroundBunker (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 UndergroundBunker (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 UndergroundBunker (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 UndergroundBunker (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 UndergroundBunker (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 UndergroundBunker (Area) - is a member of group - Exactly one - MilitarySrf (FeatureGroup)

Feature UndergroundBunker (Point)New ☐ Underground Bunker

A reinforced underground shelter. [Description] May be located within a mountain or buried below the terrain. Often used as an underground facility for military command, control, and/or troop billeting.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Deepest Depth Below Surface Level	1	-999999.0	REAL	metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

<i>allowed values:</i> No Information		Partially Operational		Non-operational Planned	Not in Operation Temporarily Non-operational		Operational
New	Feature Code	1	AH060	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> AH060							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information				Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated	Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated
	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
<i>allowed values:</i> Bomb Shelter Storm Shelter				Fallout Shelter	No Information		Other
	Least Depth Below Surface Level	1	-999999.0	REAL	metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Military Service Branch	1	No Information	Enumeration	Unitless	0	The branch of the armed forces of a nation. [Description] May also be applied to similar organizations following military discipline (for example: a coastguard).
<i>allowed values:</i> Air Force Marines				Army Navy	Coastguard No Information		Joint Other

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Permanent	1	No Information	Boolean	Unitless	0	An indication that a feature is permanent. [Description] Temporary features last, or are meant to last, for a limited time only.
<i>allowed values:</i> False No Information True						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i>	Bedrock No Information Soil		Brick Other			Concrete Prestressed Concrete Masonry Reinforced Concrete
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i>	noInformation					
<i>allowed values:</i>	pimGUID					
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: UndergroundBunker (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 UndergroundBunker (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 UndergroundBunker (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 UndergroundBunker (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 UndergroundBunker (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 UndergroundBunker (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 UndergroundBunker (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 UndergroundBunker (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 UndergroundBunker (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 UndergroundBunker (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 UndergroundBunker (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 UndergroundBunker (Point) - is a member of group - Exactly one - MilitaryPnt (FeatureGroup)

Feature UndergroundDwelling (Point)

New ☐ Underground Dwelling

Underground living quarters.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i>	No Information					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i>	noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i>	[-999999, -999999]					

	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AL250	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AL250						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Hazard Shelter Intended Use	3	No Information	Enumeration	Unitless	0	The intended use(s) of a designated hazard protection shelter based on the kind of emergency. [Description] Hazard shelters may be located inside buildings or other structures. Shelters may be equipped with disaster supplies and equipment such as food and cots.
	<i>allowed values:</i> Bomb Shelter Storm Shelter			Fallout Shelter			No Information Other
	Least Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
	<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact						
Damaged						
Destroyed						
Dismantled						
No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: UndergroundDwelling (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 UndergroundDwelling (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 UndergroundDwelling (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 UndergroundDwelling (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 UndergroundDwelling (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 UndergroundDwelling (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 UndergroundDwelling (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 UndergroundDwelling (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 UndergroundDwelling (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 UndergroundDwelling (Point) - is a member of group - Exactly one - StructurePnt (FeatureGroup)

Feature UtilityCover (Point)

New ☐ Utility Cover

A removable cover or plate which provides access to underground utility tunnels, distribution lines, or drainage systems. [Description] For example, a manhole cover.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Accessible Utility Type	3	No Information	Enumeration	Unitless	0	The type(s) of utility that can be accessed through a utility cover.
<i>allowed values:</i>			Cooling Fluid Circulation Natural Gas Distribution Storm Sewer Traffic Light			Digital Fibre-optic System Electric Power Distribution Other Street Light Telegraph Water Distribution

Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
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allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	AQ115	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AQ115						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Aluminum Other			Iron Steel			Metal Wood No Information
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: UtilityCover (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 UtilityCover (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 UtilityCover (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 UtilityCover (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 UtilityCover (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 UtilityCover (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 UtilityCover (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 UtilityCover (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 UtilityCover (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature VanishingPoint (Point)New ☐ Vanishing Point**The location at which a watercourse disappears into the terrain.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Direction of Flow	1	-999999.0	REAL	arcDegree	0	The bearing of movement or direction of the flow.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BH145	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH145						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

<u>allowed values:</u> <i>nolInformation</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> <i>No Information</i>						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> <i>No Information</i>			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original <i>No Information</i> Unverified Transliterated	Historical Transliterated <i>Other</i> Variant Original	Native Original Provisional Variant Transliterated	
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<u>allowed values:</u> <i>-999999.0</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> <i>No Information</i>						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> <i>No Information</i>						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<u>allowed values:</u> <i>-999999.0</i>						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> <i>-999999.0</i>						
Predominant Average Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> <i>-999999.0</i>						
Predominant Maximum Water Depth	1	-999999.0	REAL	Metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> <i>-999999.0</i>						
Predominant Maximum Water Velocity	1	-999999.0	REAL	Metre per Second	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> <i>-999999.0</i>						
Predominant Water Depth	1	[-999999.0, -999999.0]	Real_Interval	Metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> <i>[-999999.0, -999999.0]</i>						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable						
No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline						
Brackish No Information Seawater Brine Not Applicable Fresh Other						
Watercourse Sink Type	1	No Information	Enumeration	Unitless	0	The type of the sink of a watercourse.
<i>allowed values:</i> Disappearing Other						
Dissipating Sinkhole Hole No Information						

Relationships: VanishingPoint (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 VanishingPoint (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 VanishingPoint (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 VanishingPoint (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 VanishingPoint (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 VanishingPoint (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 VanishingPoint (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 VanishingPoint (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 VanishingPoint (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 VanishingPoint (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 VanishingPoint (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 VanishingPoint (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature VehicleBarrier (Line)

New ☐ Vehicle Barrier

An obstruction associated with a transportation route (for example: a road, a railway, a tunnel, or a bridge) to constrain, restrict, and/or prevent passage of vehicles. [Description] A permanent obstruction is fixed in place at a given location to continuously constrain traffic, and it is constructed such that it cannot be removed without major roadway excavation. A semi-permanent obstruction is placed at a given location so that traffic can be continuously constrained, but it is constructed such that it can be removed without major roadway excavation. A temporary, or non-permanent obstruction is placed at a given location to constrain traffic for a limited time only, and it is constructed such that it can be removed without major roadway excavation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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	Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
	<i>allowed values:</i> -999999.0						
	Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AP041	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AP041						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Unmaintained Dismantled						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Concrete Other Wood			Masonry Prestressed Concrete			Metal Reinforced Concrete No Information Soil
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> No Information Underground Railway			Other			Railway Road
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: VehicleBarrier (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
VehicleBarrier (Line) - has dataset metadata in - Zero or one - Dataset (Area)
VehicleBarrier (Line) - has dataset metadata in - Zero or one - Dataset (Table)
VehicleBarrier (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
VehicleBarrier (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
VehicleBarrier (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
VehicleBarrier (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
VehicleBarrier (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
VehicleBarrier (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
VehicleBarrier (Line) - is a member of group - Exactly one - TransportationGroundCrv (FeatureGroup)

Feature VehicleBarrier (Point)

New ☐ Vehicle Barrier

An obstruction associated with a transportation route (for example: a road, a railway, a tunnel, or a bridge) to constrain, restrict, and/or prevent passage of vehicles. [Description] A permanent obstruction is fixed in place at a given location to continuously constrain traffic, and it is constructed such that it cannot be removed without major roadway excavation. A semi-permanent obstruction is placed at a given location so that traffic can be continuously constrained, but it is constructed such that it can be removed without major roadway excavation. A temporary, or non-permanent obstruction is placed at a given location to constrain traffic for a limited time only, and it is constructed such that it can be removed without major roadway excavation.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AP041	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AP041						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.	
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem	
<i>allowed values:</i> noInformation							

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Concrete Other Wood			Masonry Prestressed Concrete			Metal Reinforced Concrete No Information Soil
Transportation System Type	3	No Information	Enumeration	Unitless	0	The type of a transportation system based on the type(s) of vehicles employed and/or the nature(s) of the objects transported.
<i>allowed values:</i> No Information Underground Railway			Other			Railway Road
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: VehicleBarrier (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 VehicleBarrier (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 VehicleBarrier (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 VehicleBarrier (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 VehicleBarrier (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 VehicleBarrier (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 VehicleBarrier (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 VehicleBarrier (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 VehicleBarrier (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 VehicleBarrier (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 VehicleBarrier (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 VehicleBarrier (Point) - is a member of group - Exactly one - TransportationGroundPnt (FeatureGroup)

Feature VehicleLot (Area)

New ☐ Vehicle Lot

A tract used for storing and/or parking vehicles (for example: recreational vehicles) and/or vessels.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AQ140	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AQ140						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<u>allowed values:</u> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Route Pavement Information : Route Surface Composition	1	No Information	Enumeration	Unitless	0	The composition(s) of a durable surface (for example: a pavement) intended to sustain ground traffic (for example: vehicular traffic or foot traffic). [Description] Depending on the traffic situation (for example: on a floor, in a courtyard, or on a road) different compositions may be used, however in general such surfaces are composed of pieces of a hard material fitted closely together (for example: cobble-stone or brick) or of an undivided hard layer (for example: concrete) so as to give a compact, uniform, and smooth surface.
<i>allowed values:</i> Aggregate Brick Flexible Pavement No Information Stabilized Earth			Asphalt Cobble-stone Ice Other Unimproved			Asphalt over Concrete Concrete Macadam Rigid Pavement Wood Bound Surface Corduroy Metal Snow Wood Plank
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vehicle Type	1	No Information	Enumeration	Unitless	0	The type of a vehicle based on its use and/or mode of propulsion.
<i>allowed values:</i> Aircraft Boat Motorcycle			Automobile Bus No Information			Barge Caravan Other Bicycle Caravanette Ship

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: VehicleLot (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 VehicleLot (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 VehicleLot (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 VehicleLot (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 VehicleLot (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 VehicleLot (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 VehicleLot (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 VehicleLot (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 VehicleLot (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 VehicleLot (Area) - is a member of group - Exactly one - TransportationGroundSrf (FeatureGroup)

Feature VesselLift (Area)

New ☐ Vessel Lift

A mechanical device for lifting vessels from the water. [Description] The device may be, for example, a stationary crane or a wheeled vehicle. After removal from the water the vessel may be maintained (for example: cleaning the hull of encrustations) or stored (for example: moved to a building, shed, or lot for winter storage).

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI005	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BI005						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Other							
Historical Original							
No Information							
Unverified Transliterated							
Historical Transliterated							
Native Original							
Provisional							
Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Lifting Capacity	1	-999999.0	REAL	tonne	0	The maximum weight that can be safely raised by a lifting device (for example: a crane).
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False							
No Information							
True							

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: VesselLift (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 VesselLift (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 VesselLift (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 VesselLift (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 VesselLift (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 VesselLift (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 VesselLift (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 VesselLift (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 VesselLift (Area) - is a member of group - Exactly one - PortHarbourSrf (FeatureGroup)

Feature Vineyard (Area)New ☐ Vineyard**A tract covered by the systematic planting of grape vines.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Crop Information : Crop Species	1	Grape	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i> Grape						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New Feature Code	1	EA050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EA050						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Crop Information : Irrigation Method	1	No Information	Enumeration	Unitless	0	The method used to supply crops with water.
<i>allowed values:</i> Center Pivot Linear Move Subirrigation			Drip No Information Terrace			Furrow Other Lateral Move Overhead
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Vineyard (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Vineyard (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Vineyard (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Vineyard (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Vineyard (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Vineyard (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Vineyard (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Vineyard (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Vineyard (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Vineyard (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Vineyard (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Vineyard (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature Vineyard (Point) New ☐ Vineyard

A tract covered by the systematic planting of grape vines.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Crop Information : Crop Species	1	Grape	Enumeration	Unitless	0	The predominant species of a crop land.
<i>allowed values:</i> Grape						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Crop Information : Farming Pattern	3	No Information	Enumeration	Unitless	0	The general arrangement(s) and/or pattern(s) of farming fields.
<i>allowed values:</i> Intermingled Trees No Information Treeless			Intermingled Woods Other Trellised			Irregular Regular Linear Terraced
New Feature Code	1	EA050	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> EA050						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (":"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Crop Information : Irrigation Method	1	No Information	Enumeration	Unitless	0	The method used to supply crops with water.
<i>allowed values:</i> Center Pivot Linear Move Subirrigation			Drip No Information Terrace			Furrow Other Lateral Move Overhead
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vegetation Trafficability Impact	1	-999999.0	Real	Percent	0	The degree of impact of vegetation on trafficability, based on the percent trafficability reduction from a smooth, vegetation-free terrain surface (zero percent reduction). [Description] Vegetation reduces trafficability by requiring that either it must be 'overridden' (for example: scrub by a battle tank) or bypassed (for example: orchard trees by an infantryman).
<i>allowed values:</i> -999999.0						

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Vineyard (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Vineyard (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Vineyard (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Vineyard (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Vineyard (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Vineyard (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Vineyard (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Vineyard (Point) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup)
 Vineyard (Point) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 Vineyard (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)

Feature VoidCollectionArea (Area) New ☐ Void Collection Area

A data collection region lacking suitable source coverage and/or where data is not required.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	ZD020	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZD020						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2

allowed values: No Information

Other

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Void Collection Reason	3	No Information	Enumeration	Unitless	0	The reason(s) that geospatial data was not collected.
<i>allowed values:</i> Cloud Cover No Available Imagery No Suitable Imagery Snow Cover						
Dark Shade No Available Map Source Not Requested Vegetation Cover						
Flooded No Available Survey Not Required						
Inaccessible No Information Other						
Void Collection Type	3	No Information	Enumeration	Unitless	0	The type(s) of geospatial data that were not collected.
<i>allowed values:</i> Bathymetry Waterbody Bottom Composition						
Hypsography						
No Information						
Other						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: VoidCollectionArea (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 VoidCollectionArea (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 VoidCollectionArea (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 VoidCollectionArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 VoidCollectionArea (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 VoidCollectionArea (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 VoidCollectionArea (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 VoidCollectionArea (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 VoidCollectionArea (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 VoidCollectionArea (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 VoidCollectionArea (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 VoidCollectionArea (Area) - is a member of group - Exactly one - InformationSrf (FeatureGroup)

Feature VolcanicDyke (Line)New ☐ Volcanic Dyke

A sheet of rock filling a fissure that sometimes shows as a terrain ridge. [Description] Especially a mass of igneous rock that has intruded upwards through strata.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	DB190	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> DB190						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Surface Slope	1	[-999999.0, -999999.0]	REAL_INTERVAL	percent	0	The slope (rate of upward inclination of the surface from the horizontal) of the surface of a feature (for example: the terrain or a waterbody floor). [Description] The (percent) slope is determined as the change in height divided by the horizontal distance over which the change takes place, multiplied by one hundred: ((h2-h1)/d)*100. Generally the slope is determined along the primary alignment of a feature (its established direction of flow or use; for example: a road, a railway, a ridge line, and/or a bridge). In those cases where the primary alignment is essentially horizontal (for example, a beach, a watercourse bank, or a cut) the surface slope is typically determined at right angles to the primary alignment.
<i>allowed values:</i> [-999999.0, -999999.0]						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: VolcanicDyke (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 VolcanicDyke (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 VolcanicDyke (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 VolcanicDyke (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 VolcanicDyke (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 VolcanicDyke (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 VolcanicDyke (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 VolcanicDyke (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 VolcanicDyke (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 VolcanicDyke (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 VolcanicDyke (Line) - is a member of group - Exactly one - PhysiographyCrv (FeatureGroup)

Feature Volcano (Area)New ☐ Volcano

A hill or mountain situated over an opening or openings in the Earth's crust through which lava, cinders, steam, and/or gases, are or have been expelled.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	DB180	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB180						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

allowed values: noInformation

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	Metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	Metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<u>allowed values:</u> noInformation						
<u>allowed values:</u> pimGUID						
Volcanic Activity	1	No Information	Enumeration	Unitless	0	The current level of activity of a volcano.
<u>allowed values:</u> Active			Dormant			Inactive or Extinct
Volcano Shape	1	No Information	Enumeration	Unitless	0	The classification by shape of a volcano.
<u>allowed values:</u> Caldera No Information			Cinder Cone Shield			Composite Cone

Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Volcano (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Volcano (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Volcano (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Volcano (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Volcano (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Volcano (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Volcano (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Volcano (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Volcano (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Volcano (Area) - is a member of group - Exactly one - PhysiographySrf (FeatureGroup)

Feature Volcano (Point)

New ☐ Volcano

A hill or mountain situated over an opening or openings in the Earth's crust through which lava, cinders, steam, and/or gases, are or have been expelled.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	DB180	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> DB180						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<u>allowed values:</u> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<u>allowed values:</u> noInformation						
<u>allowed values:</u> pimGUID						
Volcanic Activity	1	No Information	Enumeration	Unitless	0	The current level of activity of a volcano.
<u>allowed values:</u> Active			Dormant			Inactive or Extinct
Volcano Shape	1	No Information	Enumeration	Unitless	0	The classification by shape of a volcano.
<u>allowed values:</u> Caldera			Cinder Cone			Composite
No Information			Shield			Cone

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Volcano (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Volcano (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Volcano (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Volcano (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Volcano (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Volcano (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Volcano (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Volcano (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Volcano (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Volcano (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Volcano (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Volcano (Point) - is a member of group - Exactly one - PhysiographyPnt (FeatureGroup)

Feature Wall (Line) New ☐ Wall

A solid man-made barrier of generally heavy material used as an enclosure, boundary, or for protection.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Barrier Top Type	1	No Information	Enumeration	Unitless	0	The type of structure and/or material mounted on the top of a barrier (for example: a fence or a wall).
<i>allowed values:</i> Barbed Wire No Information			Chain-link Other			Concertina Wire Spiked Electrified Wire
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AL260	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AL260						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
allowed values: -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
allowed values: -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
allowed values: -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
allowed values: False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
allowed values: Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Predominant Feature Height	1	[-999999.0, -999999.0]	REAL_INTERVAL	Metre	0	The predominant height (the height of at least 50 percent) of the feature measured from the lowest point of the base at ground or water level (downhill side/downstream side).
allowed values: [-999999.0, -999999.0]						

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structural Material Type	3	No Information	Enumeration	Unitless	0	The primary type(s) of material composing a feature, exclusive of the surface. [Description] The basis for 'primary' may be, for example, compositional dominance or structural organization.
<i>allowed values:</i> Brick No Information Steel			Concrete Other Stone			Masonry Prestressed Concrete Treated Timber Metal Reinforced Concrete Wood
Thickness	1	-999999.0	REAL	metre	0	The distance between the two opposite surfaces of an object, usually the distance of smallest measure. [Description] The third dimension of an object, distinct from length and width (breadth).
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Wall Type	1	No Information	Enumeration	Unitless	0	The type of a wall based on structure and/or function.
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allowed values: Free-standing

No Information

Other

Retaining

Relationships: Wall (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Wall (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Wall (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Wall (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Wall (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Wall (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Wall (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Wall (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Wall (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Wall (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Wall (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Wall (Line) - is a member of group - Exactly one - StructureCrv (FeatureGroup)

Feature WasteHeap (Area)New ☒ Waste Heap

An area where heaped material (for example: waste or spoil) is deposited. [Description] Waste heaps may be located at disposal sites or in unsanctioned and unprepared locations where illegal dumping takes place. Illegal dumping sites are usually composed of materials produced in the immediately surrounding area; for example, in a residential neighborhood their content would principally be household trash. Illegal dumping sites have no associated structures or facilities.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.

allowed values: -999999.0

Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
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allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: noInformation

New Feature Code	1	AB507	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: AB507

New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
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allowed values: noInformation

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: WasteHeap (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WasteHeap (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 WasteHeap (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 WasteHeap (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WasteHeap (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WasteHeap (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WasteHeap (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WasteHeap (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WasteHeap (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WasteHeap (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature WasteHeap (Point)New ☒ Waste Heap

An area where heaped material (for example: waste or spoil) is deposited. [Description] Waste heaps may be located at disposal sites or in unsanctioned and unprepared locations where illegal dumping takes place. Illegal dumping sites are usually composed of materials produced in the immediately surrounding area; for example, in a residential neighborhood their content would principally be household trash. Illegal dumping sites have no associated structures or facilities.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	AB507	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AB507						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.

<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated	
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.	
<i>allowed values:</i> -999999.0							
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.	
<i>allowed values:</i> -999999.0							
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.	
<i>allowed values:</i> -999999.0							
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.	
<i>allowed values:</i> No Information							
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.	
<i>allowed values:</i> No Information							
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.	
<i>allowed values:</i> False			No Information			True	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem	
<i>allowed values:</i> noInformation							

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: WasteHeap (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
WasteHeap (Point) - has dataset metadata in - Zero or one - Dataset (Area)
WasteHeap (Point) - has dataset metadata in - Zero or one - Dataset (Table)
WasteHeap (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
WasteHeap (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
WasteHeap (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
WasteHeap (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
WasteHeap (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
WasteHeap (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature WaterAerodrome (Area)

New ☐ Water Aerodrome

An aerodrome intended to be used either wholly or in part for the arrival, departure and surface movement of aircraft on water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999.0	REAL	metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area. <i>allowed values:</i> -999999.0
Aerodrome Official Name	1	No Information	String	Unitless	80	The primary official name of an aerodrome as designated by an appropriate authority. <i>allowed values:</i> No Information
Airfield Symbol Type	1	No Information	Enumeration	Unitless	0	The type of airfield symbol designation. <i>allowed values:</i> A - Active Civilian E - Abandoned or Closed (with usable runways or landing areas) B - Active Joint (Civilian/Military) G - Unusable for landing or take-off C - Active Military No Information D - Active (with less than the minimum facilities) X - Decoy
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	GB065	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> GB065
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set. <i>allowed values:</i> noInformation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end. <i>allowed values:</i> No Information

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	ICAO Location Indicator	1	noInformation	StructuredText	Unitless	14	The identifier that is assigned to a location in accordance with rules prescribed by the International Civil Aviation Organization (ICAO) in Document 7910. [Description] If available this indicator shall be used as primary for identification. [DatatypeSpecification] A structured text value specifying an ICAO location indicator. [EncodingSpecification] The 2 letter ICAO code of the State being responsible for the aerodrome in accordance with ICAO Doc7910, followed by either a two-digit integer between 01 and 99 or characters in the range A-Z.
	<u>allowed values:</u> noInformation						
	Installation Operator	1	No Information	String	Unitless	2E+09	The name of the company or authority operating an installation.
	<u>allowed values:</u> No Information						
New	Largest Aircraft	1	No Information	String	Unitless	254	The largest aircraft that has used the facility within the past five years.
	<u>allowed values:</u> No Information						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Magnetic Variation	1	-999999.0	Real	Arc Degree	0	The angular difference between True North and Magnetic North measured at a given position and date. [Description] The value given indicates whether the angular difference is East (positive) or West (negative) of True North. True North is the direction of the northern point at which the geographic meridian lines meet.
	<u>allowed values:</u> -999999.0						
	Magnetic Variation Information : Magnetic Variation Date	1	noInformation	StructuredText	Unitless	20	The date on which the magnetic variation was measured. [Structure] MMDDYYYY
	<u>allowed values:</u> noInformation						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.

<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled
Port of Entry	1	No Information	Boolean	Unitless	0	An indication that a facility is a port of entry for customs and immigration purposes.	
<i>allowed values:</i> <i>False</i>			No Information			<i>True</i>	
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISClassificationAll	
<i>allowed values:</i> <i>U</i>							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> <i>No Information</i>			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISDissem	
<i>allowed values:</i> <i>noInformation</i>							
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISNonIC	
<i>allowed values:</i> <i>noInformation</i>							
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISOwnerProducer	
<i>allowed values:</i> <i>noInformation</i>							
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.	
<i>allowed values:</i> <i>noInformation</i>							
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).	
<i>allowed values:</i> <i>noInformation</i>							

allowed values: *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: WaterAerodrome (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterAerodrome (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterAerodrome (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterAerodrome (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterAerodrome (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterAerodrome (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterAerodrome (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterAerodrome (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 WaterAerodrome (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 WaterAerodrome (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterAerodrome (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WaterAerodrome (Area) - is a member of group - Exactly one - AeronauticSrf (FeatureGroup)

Feature WaterAerodrome (Point)New ☐ Water Aerodrome**An aerodrome intended to be used either wholly or in part for the arrival, departure and surface movement of aircraft on water.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aerodrome Elevation	1	-999999.0	REAL	metre	0	The vertical distance above Mean Sea Level (MSL) of the highest point of the landing area.
<u>allowed values:</u> <i>-999999.0</i>						
Aerodrome Official Name	1	No Information	String	Unitless	80	The primary official name of an aerodrome as designated by an appropriate authority.
<u>allowed values:</u> <i>No Information</i>						
Airfield Symbol Type	1	No Information	Enumeration	Unitless	0	The type of airfield symbol designation.
<u>allowed values:</u> A - Active Civilian E - Abandoned or Closed (with usable runways or landing areas)			B - Active Joint (Civilian/Military) G - Unusable for landing or take-off			C - Active Military No Information D - Active (with less than the minimum facilities) X - Decoy
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> <i>-999999.0</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> <i>noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> <i>[-999999, -999999]</i>						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> <i>noInformation</i>						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.

<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational	
New	Feature Code	1	GB065	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> GB065							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information				Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	ICAO Location Indicator	1	noInformation	StructuredText	Unitless	14	The identifier that is assigned to a location in accordance with rules prescribed by the International Civil Aviation Organization (ICAO) in Document 7910. [Description] If available this indicator shall be used as primary for identification. [DatatypeSpecification] A structured text value specifying an ICAO location indicator. [EncodingSpecification] The 2 letter ICAO code of the State being responsible for the aerodrome in accordance with ICAO Doc7910, followed by either a two-digit integer between 01 and 99 or characters in the range A-Z.
<i>allowed values:</i> noInformation							
	Installation Operator	1	No Information	String	Unitless	2E+09	The name of the company or authority operating an installation.
<i>allowed values:</i> No Information							
New	Largest Aircraft	1	No Information	String	Unitless	254	The largest aircraft that has used the facility within the past five years.
<i>allowed values:</i> No Information							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Magnetic Variation	1	-999999.0	Real	Arc Degree	0	The angular difference between True North and Magnetic North measured at a given position and date. [Description] The value given indicates whether the angular difference is East (positive) or West (negative) of True North. True North is the direction of the northern point at which the geographic meridian lines meet.

allowed values: -999999.0

Magnetic Variation Information : Magnetic Variation Date	1	noInformation	StructuredText	Unitless	20	The date on which the magnetic variation was measured. [Structure] MMDDYYYY
<u>allowed values:</u> noInformation						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<u>allowed values:</u> Construction Intact Damaged No Information Destroyed Dismantled Unmaintained						
Port of Entry	1	No Information	Boolean	Unitless	0	An indication that a facility is a port of entry for customs and immigration purposes.
<u>allowed values:</u> False No Information True						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<u>allowed values:</u> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: WaterAerodrome (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterAerodrome (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterAerodrome (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterAerodrome (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterAerodrome (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterAerodrome (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterAerodrome (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterAerodrome (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 WaterAerodrome (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 WaterAerodrome (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterAerodrome (Point) - is a member of group - Exactly one - AeronauticPnt (FeatureGroup)

Feature WaterbodyDivider (Area)

New ☐ Waterbody Divider

An artificial structure subdividing a waterbody. [Description] May consist of an artificial earthen embankment subdividing a pond or rice paddy, or an artificial partition (constructed, for example, from concrete or steel) subdividing a fish hatchery tank or water treatment plant aeration tank.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.

allowed values: [-999999, -999999]

New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	FC035	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> FC035						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencl . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
	<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	Metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: WaterbodyDivider (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterbodyDivider (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterbodyDivider (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterbodyDivider (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterbodyDivider (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterbodyDivider (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterbodyDivider (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterbodyDivider (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 WaterbodyDivider (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterbodyDivider (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Waterfall (Line)New ☐ Waterfall

A vertically descending part of a watercourse where it falls from a height (for example: over a rock or a precipice). [Description] In place names, commonly shortened to 'fall' or 'falls', for example, 'Niagara Falls'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
New Feature Code	1	BH180	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> BH180
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set. <i>allowed values:</i> noInformation
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end. <i>allowed values:</i> No Information
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2 <i>allowed values:</i> No Information

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Waterfall (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Waterfall (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 Waterfall (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 Waterfall (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Waterfall (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Waterfall (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Waterfall (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Waterfall (Line) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Waterfall (Line) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Waterfall (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Waterfall (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Waterfall (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)

Feature Waterfall (Point)

New ☐ Waterfall

A vertically descending part of a watercourse where it falls from a height (for example: over a rock or a precipice). [Description] In place names, commonly shortened to 'fall' or 'falls', for example, 'Niagara Falls'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Angle of Orientation	1	-999999.0	Real	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BH180	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH180						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False No Information True						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<u>allowed values:</u> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
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allowed values: noInformation

allowed values: pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Waterfall (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Waterfall (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Waterfall (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Waterfall (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Waterfall (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Waterfall (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Waterfall (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Waterfall (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Waterfall (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Waterfall (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Waterfall (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Waterfall (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature WaterIntakeTower (Area)

New ☐ Water Intake Tower

A tower-like structure associated with a dam or water source and used for the intake of water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<u>allowed values:</u> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u> -999999.0						

	Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999.0						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private		Military Public	No Information
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	BI050	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BI050						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.

<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained	Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll	
<i>allowed values:</i> U							
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode	
<i>allowed values:</i> No Information			Other				
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC	
<i>allowed values:</i> noInformation							
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer	
<i>allowed values:</i> noInformation							
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.	
<i>allowed values:</i> noInformation							
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.	
<i>allowed values:</i> -999999.0							
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.	
<i>allowed values:</i> -999999.0							
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.	
<i>allowed values:</i> -999999.0							

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Brick Concrete Iron						
Masonry Metal No Information Other						
Prestressed Concrete Reinforced Concrete Steel Treated Timber						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated No Information Nonpotable Other						
Potable Treatable						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Brine Fresh						
Mineral No Information Not Applicable Other						
Saline Seawater						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: WaterIntakeTower (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterIntakeTower (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterIntakeTower (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterIntakeTower (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterIntakeTower (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterIntakeTower (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterIntakeTower (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterIntakeTower (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterIntakeTower (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WaterIntakeTower (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature WaterIntakeTower (Point)

New ☐ Water Intake Tower

A tower-like structure associated with a dam or water source and used for the intake of water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> False No Information True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water. <i>allowed values:</i> -999999.0
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density. <i>allowed values:</i> -999999.0
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life. <i>allowed values:</i> -999999.0
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures. <i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BI050	CONSTRAINED_STRING	Unitless	5	Feature Code <i>allowed values:</i> BI050
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.

<i>allowed values:</i> <i>noInformation</i>						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original						
Historical Original No Information Unverified Transliterated						
Historical Transliterated Other Variant Original						
Native Original Provisional Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> <i>-999999.0</i>						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> <i>-999999.0</i>						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial						
<i>Ephemeral</i>						
Intermittent						
No Information						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> <i>-999999.0</i>						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> <i>-999999.0</i>						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.

<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Masonry Prestressed Concrete			Brick Metal Reinforced Concrete			Concrete No Information Steel Iron Other Treated Timber
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: WaterIntakeTower (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterIntakeTower (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterIntakeTower (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterIntakeTower (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterIntakeTower (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterIntakeTower (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterIntakeTower (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterIntakeTower (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 WaterIntakeTower (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 WaterIntakeTower (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterIntakeTower (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WaterIntakeTower (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature **WaterMeasurementLocation (Area)** New ☐ Water Measurement Location

A location at which water-related measurements are taken. [Description] Water measurements include, for example: water chemistry and/or quality; water depth, volume or velocity; and water presence variability or seasonality.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Water Resource Information : Arsenic Concentration	1	-999999.0	REAL	gramPerCubicMetre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Average Water Depth	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values:</i> [-999999.0, -999999.0]						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	REAL	gramPerCubicMetre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	REAL	unitless	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Water Resource Information : Cyanide Concentration	1	-999999.0	REAL	gramPerCubicMetre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.

<i>allowed values:</i> noInformation							
New	Feature Code	1	ZD070	CONSTRAINED_ STRING	Unitless	5	Feature Code
<i>allowed values:</i> ZD070							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name (first)	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
<i>allowed values:</i> No Information							
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type (first)	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original	Historical Transliterated	Native Original	
				No Information	Other	Provisional	
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Unverified Transliterated	Variant Original	Variant Transliterated	
				Historical Original	Historical Transliterated	Native Original	
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				No Information	Other	Provisional	
				Unverified Transliterated	Variant Original	Variant Transliterated	
				Historical Original	Historical Transliterated	Native Original	
				No Information	Other	Provisional	
				Unverified Transliterated	Variant Original	Variant Transliterated	
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry				Intermittent	No Information	Perennial	
	Least Depth Below Surface Level	1	-999999.0	REAL	metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0							
	Water Resource Information : Magnesium Concentration	1	-999999.0	REAL	gramPerCubicMetre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier (first)	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							

allowed values: No Informationallowed values: No Information

Water Resource Information : Nephelometric Turbidity	1	-999999.0	REAL	unitless	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
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allowed values: -999999.0

Water Resource Information : pH	1	-999999.0	REAL	unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
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allowed values: -999999.0

Predominant Average Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
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allowed values: -999999.0

Predominant Maximum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
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allowed values: -999999.0

Predominant Maximum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
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allowed values: -999999.0

Predominant Minimum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
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allowed values: -999999.0

Predominant Minimum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
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allowed values: -999999.0

Predominant Water Depth	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
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allowed values: [-999999.0, -999999.0]

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	REAL	gramPerCubicMetre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	REAL	degreeCelsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	REAL	gramPerCubicMetre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGCIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	REAL	microsiemensPerCentimetre	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	REAL	gramPerCubicMetre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Seawater			Brackish No Information			Brine Not Applicable Fresh Saline

Relationships: WaterMeasurementLocation (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterMeasurementLocation (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterMeasurementLocation (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterMeasurementLocation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterMeasurementLocation (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterMeasurementLocation (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterMeasurementLocation (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterMeasurementLocation (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterMeasurementLocation (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WaterMeasurementLocation (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature WaterMeasurementLocation (Point)New ☐ Water Measurement Location

A location at which water-related measurements are taken. [Description] Water measurements include, for example: water chemistry and/or quality; water depth, volume or velocity; and water presence variability or seasonality.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Water Resource Information : Arsenic Concentration	1	-999999.0	REAL	gramPerCubicMetre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values: -999999.0</i>						
Average Water Depth	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The average water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<i>allowed values: [-999999.0, -999999.0]</i>						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values: noInformation</i>						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values: [-999999, -999999]</i>						
Water Resource Information : Chloride Concentration	1	-999999.0	REAL	gramPerCubicMetre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values: -999999.0</i>						
Water Resource Information : Coliform Concentration	1	-999999.0	REAL	unitless	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values: -999999.0</i>						
Water Resource Information : Cyanide Concentration	1	-999999.0	REAL	gramPerCubicMetre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values: -999999.0</i>						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values: noInformation</i>						
New Feature Code	1	ZD070	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values: ZD070</i>						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values: noInformation</i>						

Geographic Name Information : Full Name (first)	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type (first)	1	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry			Intermittent			No Information Perennial
Least Depth Below Surface Level	1	-999999.0	REAL	metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the highest point of a feature located completely underground. [Description] For example, in the case of an underground dwelling the least depth below surface level would be measured to its ceiling. The least depth below surface level may be located at ground or water level and therefore have a value of zero (for example: an opencast extraction mine, a terrain depression or a lake). For depths defined with respect to a time-varying water level, consideration should be given to the use of Attribute: 'Hydrographic Depth'.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	REAL	gramPerCubicMetre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier (first)	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						
<i>allowed values:</i> No Information						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	REAL	unitless	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						

Water Resource Information : pH	1	-999999.0	REAL	unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<u>allowed values:</u> -999999.0						
Predominant Average Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> -999999.0						
Predominant Maximum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) high water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> -999999.0						
Predominant Maximum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average maximum (seasonal high water) water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> -999999.0						
Predominant Minimum Water Depth	1	-999999.0	REAL	metre	0	The average (seasonal) low water depth, exclusive of high water due to runoff or low water due to drought. [Description] May be biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> -999999.0						
Predominant Minimum Water Velocity	1	-999999.0	REAL	metrePerSecond	0	The average minimum (seasonal low water) water velocity, exclusive of high water due to runoff or low water due to drought.
<u>allowed values:</u> -999999.0						
Predominant Water Depth	1	[-999999.0, -999999.0]	REAL_INTERVAL	metre	0	The predominant water depth (the depth of at least 50 percent), determined along a bank-to-bank cross section. [Description] Usually biased toward the maximum depths within the limits of the feature in order to support estimation of trafficability.
<u>allowed values:</u> [-999999.0, -999999.0]						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<u>allowed values:</u> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<u>allowed values:</u> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<u>allowed values:</u> noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	REAL	gramPerCubicMetre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	REAL	degreeCelsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	REAL	gramPerCubicMetre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NGGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	REAL	microsiemensPerCentimetre	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	REAL	gramPerCubicMetre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Seawater			Brackish No Information			Brine Not Applicable Fresh Saline

Relationships: WaterMeasurementLocation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterMeasurementLocation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterMeasurementLocation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterMeasurementLocation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterMeasurementLocation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterMeasurementLocation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterMeasurementLocation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterMeasurementLocation (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterMeasurementLocation (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WaterMeasurementLocation (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature WaterMill (Area)New ☐ Water Mill

A structure that uses a water wheel or turbine to drive a mechanical process (for example: grinding grain into flour, cutting timber into lumber, or stripping bark from trees for use in tanning). [Description] A water mill that only generates electricity is more usually termed a 'hydroelectric plant'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ055	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ055						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<i>allowed values:</i> Grain Milling Power Generation			No Information Pumping			Oil-mill Sawmilling Other

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Floor Count	1	-999999	Integer	Unitless	0	The number of floors in a structure (for example: a building).
	<u>allowed values:</u> -999999						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information		True	

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i>	Coffee No Information Sugar		Cotton No Product			Lumber Olive Oil Milled Grain Other
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques))' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques))' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation*allowed values:* pimGUID

Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
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allowed values: noInformation

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: WaterMill (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterMill (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterMill (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterMill (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterMill (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterMill (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterMill (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterMill (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 WaterMill (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterMill (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WaterMill (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature WaterMill (Point)New ☐ Water Mill

A structure that uses a water wheel or turbine to drive a mechanical process (for example: grinding grain into flour, cutting timber into lumber, or stripping bark from trees for use in tanning). [Description] A water mill that only generates electricity is more usually termed a 'hydroelectric plant'.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	Arc Degree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.

<u>allowed values:</u> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<u>allowed values:</u> Civilian Other Joint Military and Civilian Private Military Public No Information						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<u>allowed values:</u> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	AJ055	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> AJ055						
Feature Function	3	No Information	Enumeration	Unitless	0	The purpose(s) of, or intended role(s) served by, the feature.
<u>allowed values:</u> Grain Milling Power Generation No Information Pumping Oil-mill Sawmilling Other						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Floor Count	1	-999999	Integer	Unitless	0	The number of floors in a structure (for example: a building).
<u>allowed values:</u> -999999						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information Other						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original Historical Original No Information Unverified Transliterated Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated						
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.

allowed values: -999999.0

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
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allowed values: -999999.0

Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
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allowed values: No Information

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
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allowed values: No Information

Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
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allowed values: False

No Information

True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
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allowed values: Construction
IntactDamaged
No InformationDestroyed
Unmaintained

Dismantled

Manufacturing Information : Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
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allowed values: Coffee
No Information
SugarCotton
No ProductLumber
Olive OilMilled Grain
Other

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumlSMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: WaterMill (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterMill (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterMill (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterMill (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterMill (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterMill (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterMill (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterMill (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 WaterMill (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 WaterMill (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterMill (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WaterMill (Point) - is a member of group - Exactly one - IndustryPnt (FeatureGroup)

Feature WaterMovementDataLocation (Point)New ☐ Water Movement Data Location**A location at which currents, tides, and/or other types of water movement are specified.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
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Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Doubtful Least Depth Not Applicable Unconfirmed Depth			Depth Known Maintained Depth Other Unmaintained Depth			Depth Unreliable No Information Safe Clearance Known
Hydrographic Depth : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
<i>allowed values:</i> Area Swept by Side-scan Sonar Computer Generated Lead-line Other Singlebeam			Area Swept by Vertical Acoustic System Diver Levelling Photogrammetry Underwater Utility Vehicle			Bathymetric LiDAR Electromagnetic Sensor No Information Side-scan Sonar
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Current Rate (Speed)	1	-999999.0	REAL	Knot	0	Current speed in knots.
<i>allowed values:</i> -999999.0						
Current Rate Maximum	1	-999999.0	REAL	Knot	0	Maximum speed of current.
<i>allowed values:</i> -999999.0						
Current Rate Minimum	1	-999999.0	REAL	Knot	0	Minimum speed of current.
<i>allowed values:</i> -999999.0						
Current Type Category	1	No Information	Enumeration	Unitless	0	The type of horizontal movement of a body of water based on the mechanism(s) causing the flow.
<i>allowed values:</i> Ebb Stream Ocean Current Tidal Flow			Flood Stream Other Underwater River Flow			No Information River Flow
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
Direction of Flow	1	-999999.0	REAL	Arc Degree	0	The bearing of movement or direction of the flow.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
New Feature Code	1	BG010	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BG010						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Hydrographic Depth	1	-999999.0	REAL	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Periodic Marine Current Month Interval	1	noInformation	StructuredText	Unitless	14	The month interval of the presence of a marine current. [Description] For example, a marine current may be present during the months of March through June. [Structure] Formatted in accordance with ISO 8601:2000, 5.2.1, Calendar date - month, as a single data element comprising five characters as two pairs of digits separated by a solidus ('/') where the first [MM] digit-pair represents the ordinal number of a calendar month within the calendar year, and the second [MM] digit-pair the ordinal number of a subsequent calendar month within the same or subsequent calendar year, as 'MM/MM' (for example: '03/09' for March through September). Either of the months may be left unspecified by the use of '-' (for example: '11/-' for November through an unspecified ending month).
<i>allowed values:</i> noInformation						
Reference Water Level	1	No Information	Enumeration	Unitless	0	The reference water level from which temporal offsets in a time-series of measurements (for example: current speed or current direction) are determined.
<i>allowed values:</i> High Tide			Low Tide			No Information
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Hydrographic Depth : Sounding Metadata : Sounding Datum	1	No Information	Enumeration	Unitless	0	The tidal datum to which soundings and drying heights are referenced. [Description] It is usually taken to correspond to a low water stage of the tide.
<i>allowed values:</i>						
Approximate Lowest Astronomical Tide			Approximate Mean Low Water			Approximate Mean Low Water Springs
Approximate Mean Sea Level			Chart Datum (Unspecified)			Equinoctial Spring Low Water
High Water Springs			Higher High Water			Higher High Water Large Tide
Highest High Water			Indian Spring High Water			Indian Spring Low Water
Local Datum			Low Water			Low Water Springs
Lower Low Water Large Tide			Lowest Astronomical Tide			Lowest Low Water
Mean High Water			Mean High Water Neaps			Mean Higher High Water
Mean Higher High Water Springs			Mean Low Water			Mean Low Water Springs
Mean Lower Low Water			Mean Lower Low Water Springs			Mean Tide Level
Mean Water Level			Neap Tide			Nearly Highest High Water
No Information			Other			Nearly Lowest Low Water
						Spring Tide
Hydrographic Depth : Sounding Metadata : Sounding Datum Name	1	No Information	String	Unitless	80	The name of the tidal datum to which soundings and drying heights are referenced. [Description] Used when the sounding datum is known but not specified using Attribute: 'Sounding Datum'.
<i>allowed values:</i> No Information						
Hydrographic Depth : Sounding Metadata : Sounding Velocity Correction Method	1	No Information	Enumeration	Unitless	0	The method of correction that has been used to correct a sounding velocity instrument reading to obtain the correct depth.
<i>allowed values:</i>						
Mathews Tables			No Information			Not Applicable
Sound Velocity Meter			Sounder 1500 Calibrated			Other
						Sounder 4800 Calibrated
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Tidal Current Direction	1	-999999.0	REAL	Arc Degree	0	The tidal current direction at the time of the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level.
<i>allowed values:</i> -999999.0						

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Tidal Current Speed 4 Hours After	1	-999999.0	REAL	Knot	0	The tidal current speed 4 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<i>allowed values:</i> -999999.0						
Tidal Current Speed 4 Hours Before	1	-999999.0	REAL	Knot	0	The tidal current speed 4 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<i>allowed values:</i> -999999.0						
Tidal Current Speed 5 Hours After	1	-999999.0	REAL	Knot	0	The tidal current speed 5 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<i>allowed values:</i> -999999.0						
Tidal Current Speed 5 Hours Before	1	-999999.0	REAL	Knot	0	The tidal current speed 5 hours before the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<i>allowed values:</i> -999999.0						
Tidal Current Speed 6 Hours After	1	-999999.0	REAL	Knot	0	The tidal current speed 6 hours after the tide reference level. [Description] Typically used together with Attribute: 'Reference Water Level' to specify the tide reference level from which the time offset is specified.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Hydrographic Depth : Sounding Metadata : Vessel Draft Correction	1	No Information	Boolean	Unitless	0	An indication that a vessel draft correction has been applied.
<i>allowed values:</i> False No Information True						

Relationships: WaterMovementDataLocation (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterMovementDataLocation (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterMovementDataLocation (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterMovementDataLocation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterMovementDataLocation (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterMovementDataLocation (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterMovementDataLocation (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterMovementDataLocation (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)
 WaterMovementDataLocation (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterMovementDataLocation (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature WaterRace (Line)

New ☐ Water Race

An artificial channel for a current of water, especially one built to provide water for industrial or agricultural purposes or for transporting water-borne materials. [Description] For example, a sluice, a flume, or a tailrace.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<u>allowed values:</u> [-999999, -999999]						
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<u>allowed values:</u> -999999.0						
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<u>allowed values:</u> -999999.0						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<u>allowed values:</u> Civilian Other			Joint Military and Civilian Private			Military Public No Information
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<u>allowed values:</u> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<u>allowed values:</u> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BH065	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BH065						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<u>allowed values:</u> Dry Perennial			Ephemeral			Intermittent No Information

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Dismantled Unmaintained						
Relative Level	1	No Information	Enumeration	Unitless	0	The relationship of the elevation of the terrain surface of or at the base of the feature and that of the surrounding terrain. [Description] The terrain may be either dry or submerged (for example: a waterbody bottom).
<i>allowed values:</i> Depressed Level No Information Raised						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the feature and the underlying ground (terrain) or waterbody bottom.
<i>allowed values:</i> Above Surface			Below Ground Surface			No Information On Surface
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						

Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i>	Contaminated Potable		No Information Treatable			Nonpotable Other
Water Race Type	1	No Information	Enumeration	Unitless	0	The type of a water race based on its structure and/or intended purpose.
<i>allowed values:</i>	Flume Tailrace		Headrace			No Information Sluice
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i>	Alkaline Mineral Saline		Brackish No Information Seawater			Brine Not Applicable Fresh Other
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i>	Agricultural Irrigation Institutional No Information Sanitary Domestic		Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: WaterRace (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterRace (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterRace (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterRace (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterRace (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterRace (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterRace (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterRace (Line) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterRace (Line) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WaterRace (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)

Feature WaterTower (Area)

New ☐ Water Tower

A tower supporting an elevated storage tank of water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i>	False		No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i>	-999999.0					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i>	-999999.0					

	Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
	<i>allowed values:</i> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999.0						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private		Military Public	No Information
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned		Not in Operation Temporarily Non-operational	Operational
New	Feature Code	1	AM080	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AM080						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			

Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry Perennial			Ephemeral			Intermittent No Information
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.

<i>allowed values:</i> Construction Intact		Damaged No Information		Destroyed Unmaintained		Dismantled	
New	Pump Present	1	No Information	Boolean	Unitless	0	An indication that a feature supports, contains, or makes use of one or more pumps.
<i>allowed values:</i> False		No Information		True			
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U							
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information		Other					
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation							
	Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation							
	Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation							
	Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation							
	Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
<i>allowed values:</i> Cylindrical on Tower No Information				Cylindrical with Conical Top Other		Cylindrical with Domed Top Spherical	
						Cylindrical with Flat Top Spherical on Column	
	Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0							

Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: WaterTower (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterTower (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterTower (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterTower (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterTower (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterTower (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterTower (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterTower (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WaterTower (Area) - is a member of group - Exactly one - StorageSrf (FeatureGroup)

Feature WaterTower (Point)New ☐ **Water Tower****A tower supporting an elevated storage tank of water.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights. <i>allowed values:</i> False No Information True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded. <i>allowed values:</i> -999999.0
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature. <i>allowed values:</i> -999999.0
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic. <i>allowed values:</i> -999999.0
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack). <i>allowed values:</i> noInformation
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography. <i>allowed values:</i> [-999999, -999999]
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water. <i>allowed values:</i> -999999.0
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density. <i>allowed values:</i> -999999.0
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public). <i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life. <i>allowed values:</i> -999999.0
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance. <i>allowed values:</i> noInformation

	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information			Non-operational			Operational
	Partially Operational			Planned			Temporarily Non-operational
New	Feature Code	1	AM080	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AM080						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional			Historical Original			Historical Transliterated
	Native Transliterated			No Information			Native Original
	Unverified Original			Unverified Transliterated			Provisional
							Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> Dry			Ephemeral			Intermittent
	Perennial						No Information
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						

Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
New Pump Present	1	No Information	Boolean	Unitless	0	An indication that a feature supports, contains, or makes use of one or more pumps.
<i>allowed values:</i> False			No Information			True
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumISMDissem
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Structure Shape	1	No Information	Enumeration	Unitless	0	The geometric form, appearance, and/or configuration of the feature as a whole.
<i>allowed values:</i> Cylindrical on Tower No Information			Cylindrical with Conical Top Other			Cylindrical with Domed Top Spherical Cylindrical with Flat Top Spherical on Column
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Supported	1	No Information	Boolean	Unitless	0	An indication that a feature is physically supported by another feature. [Description] For example, a tower may be supported by a building, an aerial may be supported by a tower, or a pipeline may be supported by a trestle.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						

Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Treatable Nonpotable Other						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline Brackish No Information Seawater Brine Not Applicable Fresh Other						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic Commercial Livestock Other Domestic Irrigation Military Power Generation Industrial Municipal Recreational						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: WaterTower (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterTower (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterTower (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterTower (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterTower (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterTower (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterTower (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterTower (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 WaterTower (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 WaterTower (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterTower (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WaterTower (Point) - is a member of group - Exactly one - StoragePnt (FeatureGroup)

Feature WaterTreatmentBed (Area)New ☐ Water Treatment Bed**A tract for the treatment of water that consists of a bed of material where water is aerated or filtered.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.

	<u>allowed values:</u> -999999.0						
	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<u>allowed values:</u> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<u>allowed values:</u> [-999999, -999999]						
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<u>allowed values:</u> -999999.0						
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<u>allowed values:</u> -999999.0						
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<u>allowed values:</u> -999999.0						
	Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
	<u>allowed values:</u> -999999.0						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<u>allowed values:</u> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational Operational		
New	Feature Code	1	BH040	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BH040						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information						
	Other						

Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i>	Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i>	-999999.0					
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i>	-999999.0					
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i>	No Information					
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i>	No Information					
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i>	False		No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i>	-999999.0					
Water Resource Information : pH	1	-999999.0	Real	Milligrams per Litre	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i>	-999999.0					
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVenumtSMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Volume	1	-999999.0	REAL	cubicMetre	0	The volume of a feature. [Description] For example, the storage capacity of a water tower.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						

Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
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allowed values: -999999.0

Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<u>allowed values:</u>	Alkaline Mineral Saline		Brackish No Information Seawater		Brine Not Applicable	Fresh Other

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: WaterTreatmentBed (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterTreatmentBed (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterTreatmentBed (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterTreatmentBed (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterTreatmentBed (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterTreatmentBed (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterTreatmentBed (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterTreatmentBed (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 WaterTreatmentBed (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterTreatmentBed (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WaterTreatmentBed (Area) - is a member of group - Exactly one - IndustrySrf (FeatureGroup)

Feature WaterTurbulence (Area)

New ☐ Water Turbulence

A disturbance of water caused by the interaction of any combination of waves, currents, eddies, tidal streams, wind, shoals, and obstructions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u> [-999999, -999999]						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<u>allowed values:</u> noInformation						
New Feature Code	1	BG012	CONSTRAINED_STRING	Unitless	5	Feature Code
<u>allowed values:</u> BG012						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation						
Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.

allowed values: No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
allowed values: No Information						
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
allowed values: Conventional Native Transliterated Unverified Original						
Historical Original No Information Unverified Transliterated						
Historical Transliterated Other Variant Original						
Native Original Provisional Variant Transliterated						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
allowed values: No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
allowed values: No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
allowed values: U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
allowed values: No Information						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
allowed values: noInformation						
Restriction Information : Security Attributes Group <resource non- intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
allowed values: noInformation						
Restriction Information : Security Attributes Group <resource owner- producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
allowed values: noInformation						

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
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allowed values: noInformation

allowed values: pimGUID

Water Turbulence Type	1	No Information	Enumeration	Unitless	0	The type of a water disturbance caused by the interaction of any combination of waves, currents, eddies, tidal streams, wind, shoals, and obstructions. [Description] May be used as a means of subtyping Feature: 'Water Turbulence'.
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allowed values: Breakers

Eddies

No Information

Other

Relationships: WaterTurbulence (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterTurbulence (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterTurbulence (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterTurbulence (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterTurbulence (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterTurbulence (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterTurbulence (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterTurbulence (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
 WaterTurbulence (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterTurbulence (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature WaterTurbulence (Line)

New ☐ Water Turbulence

A disturbance of water caused by the interaction of any combination of waves, currents, eddies, tidal streams, wind, shoals, and obstructions.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
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allowed values: [-999999, -999999]

New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
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allowed values: noInformation

New Feature Code	1	BG012	CONSTRAINED_STRING	Unitless	5	Feature Code
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allowed values: BG012

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information			Other			
	Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
	<u>allowed values:</u> noInformation						

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Turbulence Type	1	No Information	Enumeration	Unitless	0	The type of a water disturbance caused by the interaction of any combination of waves, currents, eddies, tidal streams, wind, shoals, and obstructions. [Description] May be used as a means of subtyping Feature: 'Water Turbulence'.

allowed values: Breakers

Eddies

No Information

Other

Relationships: WaterTurbulence (Line) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterTurbulence (Line) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterTurbulence (Line) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterTurbulence (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterTurbulence (Line) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterTurbulence (Line) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterTurbulence (Line) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterTurbulence (Line) - is a member of group - Exactly one - HydrographyCrv (FeatureGroup)
 WaterTurbulence (Line) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterTurbulence (Line) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature WaterTurbulence (Point)New ☐ Water Turbulence**A disturbance of water caused by the interaction of any combination of waves, currents, eddies, tidal streams, wind, shoals, and obstructions.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).

allowed values: noInformation

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<u>allowed values:</u> [-999999, -999999]						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<u>allowed values:</u> noInformation						
New	Feature Code	1	BG012	CONSTRAINED_STRING	Unitless	5	Feature Code
	<u>allowed values:</u> BG012						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original	Native Original Provisional Variant Transliterated
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<u>allowed values:</u> U						
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<u>allowed values:</u> No Information			Other			

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Turbulence Type	1	No Information	Enumeration	Unitless	0	The type of a water disturbance caused by the interaction of any combination of waves, currents, eddies, tidal streams, wind, shoals, and obstructions. [Description] May be used as a means of subtyping Feature: 'Water Turbulence'.
<i>allowed values:</i> Breakers						
		Eddies				
		No Information				
		Other				

Relationships:

- WaterTurbulence (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
- WaterTurbulence (Point) - has dataset metadata in - Zero or one - Dataset (Area)
- WaterTurbulence (Point) - has dataset metadata in - Zero or one - Dataset (Table)
- WaterTurbulence (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
- WaterTurbulence (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
- WaterTurbulence (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
- WaterTurbulence (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
- WaterTurbulence (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)
- WaterTurbulence (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
- WaterTurbulence (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
- WaterTurbulence (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature WaterWell (Area)

New ☐ Water Well

A shaft sunk into the ground to reach and tap a supply of water intended for uses other than power generation, heating or the extraction of minerals. [Description] May be, for example, drilled to tap deep underground reservoirs or dug to reach a shallow water table. Dug wells are typically circular, lined with masonry, have a stone border and a structure built above then for lowering and raising a bucket.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquifer Name	1	No Information	String	Unitless	2E+09	The common or scientific name of an aquifer.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New Casing Diameter	1	-999999.0	REAL	inches	0	The internal diameter of the inner tubular lining installed within a well borehole and acting as the pump chamber casing. [Description] The casing diameter represents the internal diameter of the pump chamber casing, or the casing that is present between the surface level and the installed pump. If the depth of the pump is unknown the casing diameter at the screened locations is collected. Some wells are constructed with no casing, others may have a single casing and still others may have an outer casing and inner casing. In deep wells or when special conditions exist, the casing diameter may become smaller, or telescope as the well deepens.
<i>allowed values:</i> -999999.0						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.

	<i>allowed values:</i> <i>Compressed Air</i> No Information <i>Steam</i>		<i>Electricity</i> Other		<i>Gravity</i> <i>Petroleum Product</i>		<i>Manual</i> <i>Solar</i>
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
	<i>allowed values:</i> <i>Above Surface</i> <i>On Waterbody Bottom</i>		<i>Below Ground Surface</i> Other		No Information <i>Submerged</i>		<i>On Surface</i>
New	Dynamic Water Level	1	-999999.0	REAL	metre	0	The stabilized level of the water table in a well, measured with respect to the surface level and measured after a well has been pumped continuously for several hours.
	<i>allowed values:</i> <i>-999999.0</i>						
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> <i>noInformation</i>						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational		Non-operational Planned		Not in Operation Temporarily Non-operational		Operational
New	Feature Code	1	BH230	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> <i>BH230</i>						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> <i>noInformation</i>						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information		Other				
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original		Historical Original No Information Unverified Transliterated		Historical Transliterated Other Variant Original		Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> <i>-999999.0</i>						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> <i>-999999.0</i>						

Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry			Intermittent			No Information Perennial
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
New Pump Depth	1	-999999.0	REAL	metre	0	The measurement from the well head to the top of the submersible pump located within the well borehole.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
<i>allowed values:</i> Airlift No Information Turbine			Centrifugal Other Vacuum			Gravity Reciprocating Jet Rotary
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Static Water Level	1	-999999.0	REAL	metre	0	The natural level of the water table in a well, measured with respect to surface level when water is not being actively withdrawn. [Description] May be a positive value when an artesian aquifer is tapped and the resulting pressure is sufficient to raise the water in a connected tube above the surface level.
<i>allowed values:</i> -999999.0						
New Sub-Surface Stratum Type	3	No Information	Enumeration	Unitless	0	Layer of internally consistent consolidated or unconsolidated rock having characteristics that distinguish it from other layers.
<i>allowed values:</i> Basalt Dolomite Karst Mud Sandstone Unconsolidated			Boulders Granite Limestone No Information Schist Volcanic Rock			Clay Gravel Marl Other Semi-consolidated and Consolidated Volcanic Ash Conglomerate Igneous Rock Metamorphic Rock Sand Shale
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
New Terrain Subsurface Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the subsurface layer of the terrain.

allowed values: Basalt
Dolomite
Karst
Mud
Sandstone

Boulders
Granite
Limestone
No Information
Schist

Clay
Gravel
Marl
Other
Shale

Conglomerate
Igneous Rock
Metamorphic Rock
Sand

Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Seawater			Brackish No Information			Brine Not Applicable Fresh Saline
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational
Water Well Construction Description	1	No Information	String	Unitless	2E+09	A narrative or other textual description of the screening, casing, and/or finishing of a water well. [Description] A well screen is system of mesh screening or holes designed to allow water to enter a well or borehole without undue loss of flow while excluding sand, silt, and other geologic material. A well casing is a tubular structure placed in the drilled hole to maintain the physical opening from the underground water source to the surface, and also to insulate the passage of water from either loss or pollution in the intervening strata. The casing extends above the surface and protects against surface contaminants entering the water supply by its height and some form of covering.
<i>allowed values:</i> No Information						
Well Type	1	No Information	Enumeration	Unitless	0	The type of a well, generally based on method of construction.
<i>allowed values:</i> Artesian No Information			Drilled Other			Dug Walled-in Dug or Drilled

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: WaterWell (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterWell (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterWell (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterWell (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterWell (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterWell (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterWell (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterWell (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WaterWell (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)

Feature WaterWell (Point)

New ☐ Water Well

A shaft sunk into the ground to reach and tap a supply of water intended for uses other than power generation, heating or the extraction of minerals. [Description] May be, for example, drilled to tap deep underground reservoirs or dug to reach a shallow water table. Dug wells are typically circular, lined with masonry, have a stone border and a structure built above then for lowering and raising a bucket.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquifer Name	1	No Information	String	Unitless	2E+09	The common or scientific name of an aquifer.
<i>allowed values:</i> No Information						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
New Casing Diameter	1	-999999.0	REAL	inches	0	The internal diameter of the inner tubular lining installed within a well borehole and acting as the pump chamber casing. [Description] The casing diameter represents the internal diameter of the pump chamber casing, or the casing that is present between the surface level and the installed pump. If the depth of the pump is unknown the casing diameter at the screened locations is collected. Some wells are constructed with no casing, others may have a single casing and still others may have an outer casing and inner casing. In deep wells or when special conditions exist, the casing diameter may become smaller, or telescope as the well deepens.
<i>allowed values:</i> -999999.0						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.

<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other Joint Military and Civilian Private Military Public No Information						
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
Deepest Depth Below Surface Level	1	-999999.0	Real	Metre	0	The distance measured from ground or water level (uphill/upstream side of the feature) to the deepest point of the feature. [Description] May be used to measure the depth of an inland waterbody (for example: a lake), the depth of a terrain surface depression or excavation (for example: a crevice or trench), the distance to the deepest point of a drilled feature (for example: a water well or borehole) or the distance to the deepest point of a feature located entirely underground (for example: a cave chamber). In the case of a feature located below a waterbody (for example: a non-water well) the reference surface is the waterbody bottom, rather than the waterbody surface.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
<i>allowed values:</i> Compressed Air No Information Steam Electricity Other Gravity Petroleum Product Manual Solar						
New Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
<i>allowed values:</i> Above Surface On Waterbody Bottom Below Ground Surface Other No Information Submerged On Surface						
New Dynamic Water Level	1	-999999.0	REAL	metre	0	The stabilized level of the water table in a well, measured with respect to the surface level and measured after a well has been pumped continuously for several hours.
<i>allowed values:</i> -999999.0						
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational Non-operational Planned Not in Operation Temporarily Non-operational Operational						
New Feature Code	1	BH230	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH230						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2

<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
<i>allowed values:</i> Dry			Intermittent			No Information Perennial
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.

	<i>allowed values:</i> Construction Intact		Damaged No Information		Destroyed Unmaintained	Dismantled
New Pump Depth	1	-999999.0	REAL	metre	0	The measurement from the well head to the top of the submersible pump located within the well borehole.
	<i>allowed values:</i> -999999.0					
New Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
	<i>allowed values:</i> Airlift No Information Turbine		Centrifugal Other Vacuum		Gravity Reciprocating	Jet Rotary
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
	<i>allowed values:</i> U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
	<i>allowed values:</i> No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
	<i>allowed values:</i> noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
	<i>allowed values:</i> noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
	<i>allowed values:</i> noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques))' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques))' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
	<i>allowed values:</i> noInformation					
Static Water Level	1	-999999.0	REAL	metre	0	The natural level of the water table in a well, measured with respect to surface level when water is not being actively withdrawn. [Description] May be a positive value when an artesian aquifer is tapped and the resulting pressure is sufficient to raise the water in a connected tube above the surface level.

<i>allowed values:</i> -999999.0							
New	Sub-Surface Stratum Type	3	No Information	Enumeration	Unitless	0	Layer of internally consistent consolidated or unconsolidated rock having characteristics that distinguish it from other layers.
<i>allowed values:</i> Basalt Dolomite Karst Mud Sandstone Unconsolidated				Boulders Granite Limestone No Information Schist Volcanic Rock		Clay Gravel Marl Other Semi-consolidated and Consolidated Volcanic Ash Conglomerate Igneous Rock Metamorphic Rock Sand Shale	
Water Resource Information : Sulfate Concentration		1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0							
Water Resource Information : Temperature		1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0							
New	Terrain Subsurface Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the subsurface layer of the terrain.
<i>allowed values:</i> Basalt Dolomite Karst Mud Sandstone				Boulders Granite Limestone No Information Schist		Clay Gravel Marl Other Shale Conglomerate Igneous Rock Metamorphic Rock Sand	
Water Resource Information : Total Dissolved Solids		1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0							
Unique Entity Identifier		1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation							
<i>allowed values:</i> pimGUID							
Water Resource Information : Water Conductivity		1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0							
New	Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0							
Water Resource Information : Water Hardness		1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0							
Water Resource Information : Water Potability		1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable				No Information Treatable		Nonpotable Other	
Water Resource Information : Water Type		1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.

allowed values:	Alkaline Mineral Seawater		Brackish No Information		Brine Not Applicable	Fresh Saline
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
allowed values:	Agricultural Irrigation Institutional No Information Sanitary Domestic		Commercial Livestock Other		Domestic Irrigation Military Power Generation	Industrial Municipal Recreational
Water Well Construction Description	1	No Information	String	Unitless	2E+09	A narrative or other textual description of the screening, casing, and/or finishing of a water well. [Description] A well screen is system of mesh screening or holes designed to allow water to enter a well or borehole without undue loss of flow while excluding sand, silt, and other geologic material. A well casing is a tubular structure placed in the drilled hole to maintain the physical opening from the underground water source to the surface, and also to insulate the passage of water from either loss or pollution in the intervening strata. The casing extends above the surface and protects against surface contaminants entering the water supply by its height and some form of covering.
allowed values:	No Information					
Well Type	1	No Information	Enumeration	Unitless	0	The type of a well, generally based on method of construction.
allowed values:	Artesian No Information		Drilled Other		Dug Walled-in	Dug or Drilled
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: WaterWell (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterWell (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterWell (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterWell (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterWell (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterWell (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterWell (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterWell (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 WaterWell (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 WaterWell (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WaterWell (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WaterWell (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)

Feature WaterWellAON (Area)

New ☒ Water Well Area of Numerous

Area of numerous shafts sunk into the ground to reach and tap supply(s) of water intended for uses other than power generation, heating or the extraction of minerals.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aquifer Name	1	No Information	String	Unitless	2E+09	The common or scientific name of an aquifer.
allowed values:	No Information					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
allowed values:	-999999.0					
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
allowed values:	-999999.0					

	Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
	<i>allowed values:</i> noInformation						
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
	<i>allowed values:</i> -999999.0						
	Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
	<i>allowed values:</i> -999999.0						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private	Military Public	No Information	
	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
	<i>allowed values:</i> Above Surface On Waterbody Bottom			Below Ground Surface Other	No Information Submerged	On Surface	
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned	Not in Operation Temporarily Non-operational	Operational	
New	Feature Code	1	NM230	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> NM230						
	Feature Count	1	-999999	Integer	Unitless	0	The number of features of the same type within a defined region. [Description] May be used to indicate the number of features actually present in near proximity to each other although only one representative feature is collected. For example, the number of adjacent pipelines.
	<i>allowed values:</i> -999999						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						

New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Water Resource Information : Hydrologic Persistence	1	No Information	Enumeration	Unitless	0	The degree of persistence of water in an inland water body (for example: a spring, a flowing stream, a lake or a pond). [Description] Inland water bodies may also include, for example, crevices, ditches, fountains, and water troughs.
	<i>allowed values:</i> Dry			Intermittent			No Information Perennial
	Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						
	Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<i>allowed values:</i> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<i>allowed values:</i> False			No Information			True
	Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
	<i>allowed values:</i> -999999.0						
	Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
	<i>allowed values:</i> -999999.0						
	Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
	<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
New	Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
	<i>allowed values:</i> Airlift No Information Turbine			Centrifugal Other Vacuum			Gravity Reciprocating Jet Rotary

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
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allowed values: U

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: No Information

Other

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: noInformation

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: noInformation

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: noInformation

Static Water Level	1	-999999.0	REAL	metre	0	The natural level of the water table in a well, measured with respect to surface level when water is not being actively withdrawn. [Description] May be a positive value when an artesian aquifer is tapped and the resulting pressure is sufficient to raise the water in a connected tube above the surface level.
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allowed values: -999999.0

New Sub-Surface Stratum Type	3	No Information	Enumeration	Unitless	0	Layer of internally consistent consolidated or unconsolidated rock having characteristics that distinguish it from other layers.
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<i>allowed values:</i>	Basalt	Boulders	Clay	Conglomerate
	Dolomite	Granite	Gravel	Igneous Rock
	Karst	Limestone	Marl	Metamorphic Rock
	Mud	No Information	Other	Sand
	Sandstone	Schist	Semi-consolidated and Consolidated Volcanic Ash	Unconsolidated
	Volcanic Rock			

Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
New Terrain Subsurface Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the subsurface layer of the terrain.
<i>allowed values:</i> Basalt Dolomite Karst Mud Sandstone			Boulders Granite Limestone No Information Schist		Clay Gravel Marl Other Shale	Conglomerate Igneous Rock Metamorphic Rock Sand
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Litres per Minute	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable		Nonpotable	Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater		Brine Not Applicable	Fresh Other
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other		Domestic Irrigation Military Power Generation	Industrial Municipal Recreational

Water Well Construction Description	1	No Information	String	Unitless	2E+09	A narrative or other textual description of the screening, casing, and/or finishing of a water well. [Description] A well screen is system of mesh screening or holes designed to allow water to enter a well or borehole without undue loss of flow while excluding sand, silt, and other geologic material. A well casing is a tubular structure placed in the drilled hole to maintain the physical opening from the underground water source to the surface, and also to insulate the passage of water from either loss or pollution in the intervening strata. The casing extends above the surface and protects against surface contaminants entering the water supply by its height and some form of covering.
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allowed values: No Information

Well Type	1	No Information	Enumeration	Unitless	0	The type of a well, generally based on method of construction.
<u>allowed values:</u>	Artesian		Drilled			Dug
	No Information		Other			Walled-in

Relationships: WaterWellAON (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WaterWellAON (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 WaterWellAON (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 WaterWellAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WaterWellAON (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WaterWellAON (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WaterWellAON (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WaterWellAON (Area) - is a member of group - Exactly one - HydrographyAON (FeatureGroup)
 WaterWellAON (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)

Feature Waterwork (Area)

New ☐ Waterwork

An establishment for storing, purifying, and supplying an area or town with water.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<u>allowed values:</u>	No Information					
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<u>allowed values:</u>	-999999.0					
New Annual Flow Rate	1	-999999.0	Real	Cubic Metres per Hours		The annualized rate of water flow through or exiting from a feature.
<u>allowed values:</u>	-999999.0					
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<u>allowed values:</u>	-999999.0					
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<u>allowed values:</u>	-999999.0					
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<u>allowed values:</u>	noInformation					
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<u>allowed values:</u>	[-999999, -999999]					
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<u>allowed values:</u>	-999999.0					
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.

<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other						
			Joint Military and Civilian Private			Military Public No Information
Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
<i>allowed values:</i> -999999.0						
New Daily Capacity	1	-999999.0	Real	Cubic Litres		The quantity of product held per day.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
<i>allowed values:</i> Compressed Air No Information Steam						
			Electricity Other			Gravity Petroleum Product Manual Solar
New Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
<i>allowed values:</i> Above Surface On Waterbody Bottom						
			Below Ground Surface Other			No Information Submerged On Surface
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational						
			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	BH220	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> BH220						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						
Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information						
			Other			
Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original						
			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated

Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
New Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
<i>allowed values:</i> Airlift No Information Turbine			Centrifugal Other Vacuum			Gravity Reciprocating Jet Rotary
New Water Resource Information : Purification Process	5	No Information	Enumeration	Unitless	0	Water purification process

allowed values: [Blending](#)
[Filtration](#)
[No Information](#)
[Vapor Compression](#)

[Desalination](#)
[Freezing](#)
[Other](#)

[Disinfection](#)
[Multi-effect evaporation](#)
[Reverse Osmosis](#)

[Electrolysis](#)
[Multi-stage flash](#)
[Sedimentation/coagulation](#)

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
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allowed values: [U](#)

Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
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allowed values: [No Information](#)

[Other](#)

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
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allowed values: [noInformation](#)

Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
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allowed values: [noInformation](#)

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
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allowed values: [noInformation](#)

Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
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allowed values: [noInformation](#)

Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
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allowed values: [-999999.0](#)

Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
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allowed values: [-999999.0](#)

Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Cubic Metres per Second	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable			No Information Treatable			Nonpotable Other
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Mineral Saline			Brackish No Information Seawater			Brine Not Applicable Fresh Other
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Institutional No Information Sanitary Domestic			Commercial Livestock Other			Domestic Irrigation Military Power Generation Industrial Municipal Recreational
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Waterwork (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Waterwork (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Waterwork (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Waterwork (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Waterwork (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Waterwork (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Waterwork (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Waterwork (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Waterwork (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Waterwork (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Waterwork (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Waterwork (Area) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup)

Feature Waterwork (Point)New ☐ **Waterwork****An establishment for storing, purifying, and supplying an area or town with water.**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
New Annual Flow Rate	1	-999999.0	Real	Cubic Metres per Hours		The annualized rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Arsenic Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of arsenic per volume of solution. [Description] Arsenic sources include natural deposits, use as a pesticide agent, and from phosphate fertilizers containing arsenic.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Water Resource Information : Chloride Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of chloride per volume of solution. [Description] Most chlorides are salts that are formed either by direct union of chlorine with a metal or by reaction of hydrochloric acid (a water solution of hydrogen chloride) with a metal, a metal oxide, or an inorganic base. Chloride salts include sodium chloride (common salt), potassium chloride, calcium chloride, and ammonium chloride. Most chloride salts are readily soluble in water.
<i>allowed values:</i> -999999.0						
Water Resource Information : Coliform Concentration	1	-999999.0	Real	Coliform Microbial Density	0	The number of coliform bacteria colonies per volume of solution. [Description] The coliform concentration is an indicator of pollution when testing the sanitary quality of water. Coliform bacteria normally are abundant in the intestinal tracts of humans and other warm-blooded mammals. It is measured in colonies per millilitre of solution, and reported as Coliform Microbial Density.
<i>allowed values:</i> -999999.0						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other						
Joint Military and Civilian Private						
Military Public						
No Information						

	Water Resource Information : Cyanide Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of inorganic cyanides per volume of solution. [Description] Inorganic cyanides are generally salts of the anion CN-. These are powerful poisons that are toxic to humans and aquatic life.
	<i>allowed values:</i> -999999.0						
New	Daily Capacity	1	-999999.0	Real	Cubic Litres		The quantity of product held per day.
	<i>allowed values:</i> -999999.0						
New	Water Resource Information : Device Power Type	1	No Information	Enumeration	Unitless	0	The method by the device is powered, if any.
	<i>allowed values:</i> Compressed Air No Information Steam			Electricity Other			Gravity Petroleum Product Manual Solar
New	Water Resource Information : Device Relative Location	1	No Information	Enumeration	Unitless	0	The relationship between the device and the underlying ground (terrain), liquid or waterbody bottom.
	<i>allowed values:</i> Above Surface On Waterbody Bottom			Below Ground Surface Other			No Information Submerged On Surface
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	BH220	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BH220						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	2	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	2	No Information	Enumeration	Unitless	0	The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						

Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Water Resource Information : Magnesium Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of magnesium per volume of solution. [Description] Elevated concentrations of magnesium are typically associated with 'hard' water.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	2	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Water Resource Information : Nephelometric Turbidity	1	-999999.0	Real	Nephelometric Turbidity Units	0	The cloudiness or haziness of a volume of solution as determined by its degree of light scattering. [Description] Turbidity is caused by suspended solids that are generally invisible to the naked eye, for example: suspended clay, silt, organic and inorganic matter, and plankton and other microorganisms. The units of turbidity from a calibrated nephelometer (based on the scattering of a focused beam of light) are called Nephelometric Turbidity Units (NTU).
<i>allowed values:</i> -999999.0						
Water Resource Information : pH	1	-999999.0	Real	Unitless	0	The logarithm of the reciprocal of hydrogen ion (H+) concentration in gram atoms per liter of an aqueous solution. [Description] The pH (potential of Hydrogen) scale provides an indication of the acidity or alkalinity of a water sample. The scale ranges from 0 to 14, where 7 is neutral, greater than 7 is more alkaline and less than 7 is more acidic. The measure is termed the 'pH unit'.
<i>allowed values:</i> -999999.0						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
New Water Resource Information : Pump Type	1	No Information	Enumeration	Unitless	0	The type of pump used to move liquid or semi-liquid material from one location to another.
<i>allowed values:</i> Airlift No Information Turbine			Centrifugal Other Vacuum			Gravity Reciprocating Jet Rotary
New Water Resource Information : Purification Process	5	No Information	Enumeration	Unitless	0	Water purification process
<i>allowed values:</i> Blending Filtration No Information Vapor Compression			Desalination Freezing Other			Disinfection Multi-effect evaporation Reverse Osmosis Electrolysis Multi-stage flash Sedimentation/coagulation

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Water Resource Information : Sulfate Concentration	1	-999999.0	Real	Milligrams per Litre	0	The mass of sulfate ions per volume of solution.
<i>allowed values:</i> -999999.0						
Water Resource Information : Temperature	1	-999999.0	Real	Degree Celsius	0	The thermal energy (heat) of a substance. [Description] The quantity of internal energy that a substance contains.
<i>allowed values:</i> -999999.0						
Water Resource Information : Total Dissolved Solids	1	-999999.0	Real	Milligrams per Litre	0	The total mass of dissolved inorganic chemical constituents per volume of solution.
<i>allowed values:</i> -999999.0						

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Water Resource Information : Water Conductivity	1	-999999.0	Real	MicroSiemens per Centime	0	The electrical conductivity of water. [Description] Electrical conductivity is the ease with which an electric current flows through a conductor per unit length.
<i>allowed values:</i> -999999.0						
New Water Resource Information : Water Flow	1	-999999.0	Real	Cubic Metres per Second	0	The rate of water flow through or exiting from a feature.
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Hardness	1	-999999.0	Real	Milligrams per Litre	0	The 'hardness' of a sample of water as determined by the combined mass of calcium carbonate and magnesium carbonate per volume of solution. [Description] Calcium and magnesium enter water mainly through the weathering of rocks. 'Hard' water has a high mineral content (in contrast with 'soft' water).
<i>allowed values:</i> -999999.0						
Water Resource Information : Water Potability	1	No Information	Enumeration	Unitless	0	The potability of water based on the type of treatment required before it is safe for human consumption.
<i>allowed values:</i> Contaminated Potable No Information Nonpotable Other						
<i>allowed values:</i> Potable Treatable						
Water Resource Information : Water Type	1	No Information	Enumeration	Unitless	0	The type of available water based on its composition.
<i>allowed values:</i> Alkaline Brackish Brine Fresh						
<i>allowed values:</i> Mineral No Information Not Applicable Other						
<i>allowed values:</i> Saline Seawater						
Water Resource Information : Water Use	4	No Information	Enumeration	Unitless	0	The use(s) for which water is withdrawn or consumed from a source. [Description] Uses include, for example: domestic purposes, industrial processing, and irrigation.
<i>allowed values:</i> Agricultural Irrigation Commercial Domestic Irrigation Industrial						
<i>allowed values:</i> Institutional Livestock Military Municipal						
<i>allowed values:</i> No Information Other Power Generation Recreational						
<i>allowed values:</i> Sanitary Domestic						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Waterwork (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Waterwork (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Waterwork (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Waterwork (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Waterwork (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Waterwork (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Waterwork (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Waterwork (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Waterwork (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Waterwork (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Waterwork (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Waterwork (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature WindFarm (Area)

New ☐ Wind Farm

A collection of windmotors that are collocated and are organized as a single power generation unit.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AD060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD060						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: WindFarm (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WindFarm (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 WindFarm (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 WindFarm (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WindFarm (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WindFarm (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WindFarm (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WindFarm (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 WindFarm (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 WindFarm (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WindFarm (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 WindFarm (Area) - is a member of group - Exactly one - UtilityInfrastructureSrf (FeatureGroup)

Feature WindFarm (Point) New ☐ Wind Farm

A collection of windmotors that are collocated and are organized as a single power generation unit.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AD060	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AD060						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Historical Original No Information Unverified Transliterated							
Historical Transliterated Other Variant Original							
Native Original Provisional Variant Transliterated							
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<u>allowed values:</u> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<u>allowed values:</u> False							
No Information							
True							

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: noInformation*allowed values:* pimGUID

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: WindFarm (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 WindFarm (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 WindFarm (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 WindFarm (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 WindFarm (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 WindFarm (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 WindFarm (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 WindFarm (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 WindFarm (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 WindFarm (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 WindFarm (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature Windmill (Area)New ☐ Windmill**A system of vanes attached to a tower and driven by wind (excluding wind turbines).**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			No Information			True
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ050	CONSTRAINED_STRING	Unitless	5	Feature Code

<i>allowed values:</i> AJ050							
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original				Historical Original No Information Unverified Transliterated			
				Historical Transliterated Other Variant Original			
				Native Original Provisional Variant Transliterated			
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0							
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0							
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information							
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True							

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i>	Milled Grain		No Information			Other Water
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIntC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
<i>allowed values:</i>	Mast Tripod		No Information Truss			Other Tubular Tower Mill

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Masonry Steel						
Brick Metal Stone						
Concrete No Information Wood						
Iron Other						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: Windmill (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Windmill (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Windmill (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Windmill (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Windmill (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Windmill (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Windmill (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Windmill (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Windmill (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Windmill (Area) - is a member of group - Exactly one - AgricultureSrf (FeatureGroup)

Feature Windmill (Point)New ☐ Windmill**A system of vanes attached to a tower and driven by wind (excluding wind turbines).**

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False						
No Information						
True						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						

New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
	<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
	Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
	<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New	Feature Code	1	AJ050	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> AJ050						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/gencc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<i>allowed values:</i> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<i>allowed values:</i> -999999.0						

Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False No Information True						
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact Damaged No Information Destroyed Dismantled Unmaintained						
Product	3	No Information	Enumeration	Unitless	0	The principal product(s) resulting from a production, mining, or agricultural activity. [Description] If multiple products are specified then they are usually listed in descending order of importance.
<i>allowed values:</i> Milled Grain No Information Other Water						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i> noInformation						

Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
<i>allowed values:</i> Mast Tripod			No Information Truss			Other Tubular Tower Mill
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation <i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Masonry Steel			Brick Metal Stone			Concrete No Information Wood Iron Other
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						

Relationships: Windmill (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Windmill (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Windmill (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Windmill (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Windmill (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Windmill (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Windmill (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Windmill (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Windmill (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Windmill (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Windmill (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Windmill (Point) - is a member of group - Exactly one - AgriculturePnt (FeatureGroup)

Feature WindTurbine (Point) New ☐ Wind Turbine

A tower and associated equipment that generates electrical power from wind.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Aeronautical Obstacle Light Present	1	No Information	Boolean	Unitless	0	An indication that an obstacle that constitutes a danger to air navigation is marked by a light or lights.
<i>allowed values:</i> False			<i>No Information</i>			<i>True</i>
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public <i>No Information</i>
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AJ051	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AJ051						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (':'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
Guyed	1	No Information	Boolean	Unitless	0	An indication that an object is guided, secured, or steadied by guy wires.
<i>allowed values:</i> False			No Information			True
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Location Referenced to Shoreline	1	No Information	Enumeration	Unitless	0	The location of an object in relation to a land water boundary.
<i>allowed values:</i> At Shoreline			Inland			No Information Offshore
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i>	Construction Intact		Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i>	U					
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i>	No Information		Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i>	noInformation					
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i>	noInformation					
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed (' ' and ') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis ('). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat) (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i>	noInformation					
Tower Shape	1	No Information	Enumeration	Unitless	0	The general shape and/or structure of a tower.
<i>allowed values:</i>	Mast Truss		No Information Tubular			Other Tripod

Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Vertical Construction Material	3	No Information	Enumeration	Unitless	0	The type(s) of material that compose the load-bearing structure and/or exterior facing of a vertical construction (for example: a building or non-building structure).
<i>allowed values:</i> Aluminum Metal Wood Concrete No Information Fibreglass Other Iron Steel						
Vertical Obstruction Identifier	1	noInformation	StructuredText	Unitless	14	A unique identification code that identifies a feature that is a vertical obstruction to low-level flight.
<i>allowed values:</i> noInformation						
Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.

allowed values: -999999.0

Relationships: WindTurbine (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
WindTurbine (Point) - has dataset metadata in - Zero or one - Dataset (Area)
WindTurbine (Point) - has dataset metadata in - Zero or one - Dataset (Table)
WindTurbine (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
WindTurbine (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
WindTurbine (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
WindTurbine (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
WindTurbine (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
WindTurbine (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
WindTurbine (Point) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
WindTurbine (Point) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
WindTurbine (Point) - is a member of group - Exactly one - UtilityInfrastructurePnt (FeatureGroup)

Feature Wreck (Area)

New ☐ Wreck

The ruined remains of a stranded or sunken vessel that has been rendered useless.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
<i>allowed values:</i> Depth Known Other Depth Unknown Safe Clearance Known No Information Not Applicable						

	Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
	<i>allowed values:</i> Area Swept by Wire-drag			<i>Depth Known by Other Than Wire Drag</i>			<i>No Information</i> <i>Other</i>
New	Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
	<i>allowed values:</i> [-999999, -999999]						
	Dangerous to Navigation	1	No Information	Boolean	Unitless	0	An indication that a hazard in a waterbody is considered to be dangerous to surface navigation. [Description] For example, broken piles, a rock formation, or a reef in moderately deep waters. For large vessels a depth of less than 20 metres is generally considered to be dangerous.
	<i>allowed values:</i> False			<i>No Information</i>			<i>True</i>
New	External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
	<i>allowed values:</i> noInformation						
New	Feature Code	1	BD180	CONSTRAINED_STRING	Unitless	5	Feature Code
	<i>allowed values:</i> BD180						
New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<i>allowed values:</i> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<i>allowed values:</i> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<i>allowed values:</i> No Information			<i>Other</i>			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original <i>No Information</i> Unverified Transliterated			Historical Transliterated <i>Other</i> Variant Original Native Original Provisional Variant Transliterated
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
	<i>allowed values:</i> -999999.0						
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<i>allowed values:</i> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<i>allowed values:</i> No Information						

Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMCClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEoint Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information Other						
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Hydrographic Vertical Positioning Information : Water Level Effect 1 No Information Enumeration Unitless 0 The relationship between the feature and surrounding (including covering and/or underlying) water.

allowed values: Always Dry Always Submerged Awash at Low Water Covers and Uncovers
No Information Other

Wreck or Hulk Exposure 1 No Information Enumeration Unitless 0 The portion of a wreck or hulk that is persistently showing above the water surface.

allowed values: Funnel Showing Hull Showing Masts and Funnel Showing Masts Showing
No Information Other Superstructure Showing

Relationships: Wreck (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
Wreck (Area) - has dataset metadata in - Zero or one - Dataset (Area)
Wreck (Area) - has dataset metadata in - Zero or one - Dataset (Table)
Wreck (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
Wreck (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
Wreck (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
Wreck (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
Wreck (Area) - is a member of group - Exactly one - HydrographySrf (FeatureGroup)
Wreck (Area) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
Wreck (Area) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Wreck (Point)

New ☐ Wreck

The ruined remains of a stranded or sunken vessel that has been rendered useless.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Area	1	-999999.0	REAL	Square Metre	0	The area within the delineation of the feature.
allowed values: -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
allowed values: noInformation						
Bathymetric Measurement Quality Category	3	No Information	Enumeration	Unitless	0	A general evaluation of the qualities of a bathymetric measurement, as a category. [Description] Drying heights are typically captured using negative (bathymetric) sounding values; their certainty of measurement may be categorized in the same manner as positive values.
allowed values: Depth Known Other			Depth Unknown Safe Clearance Known			No Information Not Applicable
Hydrographic Base Height : Sounding Metadata : Bathymetric Measurement Technique	3	No Information	Enumeration	Unitless	0	The technique used to determine water depth(s).
allowed values: Area Swept by Wire-drag			Depth Known by Other Than Wire Drag			No Information Other
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
allowed values: [-999999, -999999]						
Dangerous to Navigation	1	No Information	Boolean	Unitless	0	An indication that a hazard in a waterbody is considered to be dangerous to surface navigation. [Description] For example, broken piles, a rock formation, or a reef in moderately deep waters. For large vessels a depth of less than 20 metres is generally considered to be dangerous.
allowed values: False			No Information			True
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
allowed values: noInformation						
New Feature Code	1	BD180	CONSTRAINED_STRING	Unitless	5	Feature Code
allowed values: BD180						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<u>allowed values:</u> noInformation							
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<u>allowed values:</u> No Information							
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<u>allowed values:</u> No Information							
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<u>allowed values:</u> Conventional Native Transliterated Unverified Original							
Other							
Historical Original							
Historical Transliterated							
Native Original							
Other							
Provisional							
Variant Original							
Variant Transliterated							
	Hydrographic Vertical Positioning Information : Hydrographic Depth	1	-999999.0	Real	Metre	0	The depth from a specified sounding datum to the top or surface of a feature (for example: the bottom of a water body). [Description] Recorded depth values are usually positive, however in the case of drying heights they are negative.
<u>allowed values:</u> -999999.0							
	Length	1	-999999.0	REAL	Metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<u>allowed values:</u> -999999.0							
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<u>allowed values:</u> No Information							
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<u>allowed values:</u> No Information							
	Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<u>allowed values:</u> U							
	Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<u>allowed values:</u> No Information							
Other							

Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed '(' and ')' substrings separated by spaces ' '. Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'. The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat) (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						
Hydrographic Vertical Positioning Information : Water Level Effect	1	No Information	Enumeration	Unitless	0	The relationship between the feature and surrounding (including covering and/or underlying) water.
<i>allowed values:</i> Always Dry No Information			Always Submerged Other			Awash at Low Water Covers and Uncovers
Wreck or Hulk Exposure	1	No Information	Enumeration	Unitless	0	The portion of a wreck or hulk that is persistently showing above the water surface.
<i>allowed values:</i> Funnel Showing No Information			Hull Showing Other			Masts and Funnel Showing Superstructure Showing Masts Showing

Relationships: Wreck (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Wreck (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Wreck (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Wreck (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Wreck (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Wreck (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Wreck (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Wreck (Point) - is a member of group - Exactly one - HydrographyPnt (FeatureGroup)
 Wreck (Point) - is an extended member of configuration level - Exactly one - GGDM_Global (Feature)
 Wreck (Point) - is an extended member of configuration level - Exactly one - GGDM_Regional (Feature)
 Wreck (Point) - is an extended member of configuration level - Exactly one - GGDM_Local (Feature)
 Wreck (Point) - is an extended member of configuration level - Exactly one - GGDM_Specialized (Feature)

Feature Zoo (Area)

 New ☐ Zoo

A site where wild animals are kept for exhibition to the public, that may also support breeding and/or study.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK180	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK180						
New Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
<i>allowed values:</i> noInformation						

Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
<i>allowed values:</i> No Information						
New (Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (";"), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
<i>allowed values:</i> No Information			Other			
Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
<i>allowed values:</i> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original
						Native Original Provisional Variant Transliterated
Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
<i>allowed values:</i> -999999.0						
Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
<i>allowed values:</i> -999999.0						
Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
<i>allowed values:</i> -999999.0						
Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
<i>allowed values:</i> No Information						
Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
<i>allowed values:</i> No Information						
Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
<i>allowed values:</i> False			No Information			True
Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained
						Dismantled

Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat (cropSpecies:Okra) (farmingMethod:Organic Techniques)' or '(CSP:Kumquat (CSP:Okra) (FMM:Organic Techniques)' could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).
<i>allowed values:</i> noInformation						
<i>allowed values:</i> pimGUID						

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: -999999.0

Relationships: Zoo (Area) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Zoo (Area) - has dataset metadata in - Zero or one - Dataset (Area)
 Zoo (Area) - has dataset metadata in - Zero or one - Dataset (Table)
 Zoo (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Zoo (Area) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Zoo (Area) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Zoo (Area) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Zoo (Area) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Zoo (Area) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Zoo (Area) - is a member of configuration level - Exactly one - GGDM_Local (Feature)
 Zoo (Area) - is a member of configuration level - Exactly one - GGDM_Specialized (Feature)
 Zoo (Area) - is a member of group - Exactly one - RecreationSrf (FeatureGroup)

Feature Zoo (Point)

New ☐ Zoo

A site where wild animals are kept for exhibition to the public, that may also support breeding and/or study.

Attribute	Cardinality	Default	Data Type	Units	Length	Attribute Definition
Address	1	No Information	String	Unitless	2E+09	The postal address and/or electronic contact information for a facility, organisation or person.
<i>allowed values:</i> No Information						
Angle of Orientation	1	-999999.0	REAL	arcDegree	0	The angular distance in the horizontal plane measured from true north (0 degrees) clockwise to the major axis of the feature. [Description] If the feature is square, the axis 0 up to 90 degrees is recorded. If the feature is circular, 360 degrees is recorded.
<i>allowed values:</i> -999999.0						
Area	1	-999999.0	REAL	squareMetre	0	The area within the delineation of the feature.
<i>allowed values:</i> -999999.0						
Basic Encyclopedia (BE) Number	1	noInformation	StructuredText	Unitless	15	The unique identifier of a feature as assigned in the Basic Encyclopedia (a compilation of identified installations and physical areas of potential significance as objectives for attack).
<i>allowed values:</i> noInformation						
New Feature Metadata : Cartographic Usability Range	1	[-999999, -999999]	Integer_Interval	Unitless	0	A scale interval within which a feature instance has been determined to be suitable for the purposes of topographic cartography.
<i>allowed values:</i> [-999999, -999999]						
Controlling Authority	1	No Information	Enumeration	Unitless	0	The controlling authority responsible for a facility or site. [Description] Controlling authorities may be distinguished by organizational level (for example: national, sub-national, or military district) and/or type (for example: private or public).
<i>allowed values:</i> Civilian Other			Joint Military and Civilian Private			Military Public No Information
New External Links	1	noInformation	StructuredText	Unitless	2E+09	A list of external references such as URLs that may provide ancillary information about this feature instance.
<i>allowed values:</i> noInformation						
Facility Operational Status	1	No Information	Enumeration	Unitless	0	The status of operation of a man-made structure, as a whole. [Description] Includes actual operations, operational capability, and planned or proposed man-made structures.
<i>allowed values:</i> No Information Partially Operational			Non-operational Planned			Not in Operation Temporarily Non-operational Operational
New Feature Code	1	AK180	CONSTRAINED_STRING	Unitless	5	Feature Code
<i>allowed values:</i> AK180						

New	Feature Unique Identifier	1	noInformation	StructuredText	Unitless	254	When a feature is represented with multiple instances (for example instances with different geometry, different scale, or simply different attribute vectors) even though it is the same thing, this unique identifier will be the same regardless of the different representations of the thing. [Description] It is common in large complex data sets to collect the same thing multiple times due to requirements for different security restrictions or geometry requirements for the feature. This unique identifier allows one to find all of the alternative representations of the same thing within the data set.
	<u>allowed values:</u> noInformation						
	Geographic Name Information : Full Name	1	No Information	String	Unitless	200	A complete name that is used to designate the entity as that designation would normally be written by the originating culture on a map or chart. [Description] It is generally considered to consist of a specific part, a generic part, and any articles or prepositions. The order of the parts may vary with the generic part appearing at the beginning, middle or end.
	<u>allowed values:</u> No Information						
New	(Location Country) Designation : GENC Short URN-based Identifier	1	No Information	CodeList	Unitless	24	The short URN-like Uniform Resource Identifier (URI) for a geopolitical entity (for example: a State) or administrative subdivision (for example: a province) as specified by the Geopolitical Entities, Names, and Codes (GENC) Standard. [Description] The GENC Standard specifies a profile of ISO 3166, Codes for the representation of names of countries and their subdivisions; that profile addresses unique U.S. Government requirements for: restrictions in recognition of the national sovereignty of a country; identification and recognition of geopolitical entities not included in ISO 3166; and the use of names of countries and country subdivisions that have been approved by the U.S. Board on Geographic Names. [CodeListDefinition] The combination of a short URN-based codespace (maximum 16 characters), a semi-colon (';'), and a code (maximum 7 characters) that together are limited to a maximum of 24 characters. The codespace identifies a set of 'country code' information, and the code identifies a specific member of that set. The detailed specification for valid values may be accessed at http://nsgreg.nga.mil/genc . [Hyperlink] http://api.nsgreg.nga.mil/N2L?ge:GENC:3:1-2
	<u>allowed values:</u> No Information			Other			
	Geographic Name Information : Geographic Name Type	1	No Information	Enumeration	Unitless		The type of a geographic name based on its scope of use, quality of source and/or its transliteration status.
	<u>allowed values:</u> Conventional Native Transliterated Unverified Original			Historical Original No Information Unverified Transliterated			Historical Transliterated Other Variant Original Native Original Provisional Variant Transliterated
	Height Above Surface Level	1	-999999.0	REAL	metre	0	The vertical distance measured from the lowest point of the base of the feature at ground or water level (downhill/downstream side) to the tallest point of the feature. [Description] For non-inland water bodies, the water level is usually understood to be Mean Sea Level (MSL). Note that the feature may be supported above the surface by another feature (for example: a tower supported by a building) and as a consequence the value of the Height Above Surface Level is different (larger) than the base-to-top height of the feature (for example: supported tower) itself.
	<u>allowed values:</u> -999999.0						
	Highest Elevation	1	-999999.0	REAL	metre	0	The elevation from a specified vertical datum to the highest point on a feature. [Description] In the case of multiple features that may be stacked on each other (for example: a railway on a bridge, a superstructure on a building, or an aerial on a tower) the highest elevation is that of the entire feature stack. For example, the highest elevation of a church is that of its steeple and not that of the roof of the church itself. The church itself may have a height above surface level that excludes the additional height of the steeple superstructure located on the church roof.
	<u>allowed values:</u> -999999.0						
	Length	1	-999999.0	REAL	metre	0	The dimension of a feature taken along its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line, a river, a rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the length is the distance between the bridge abutments along the bridge centreline. In the case of a dam, the length is the distance along the dam crest. If no established direction of flow or use exists then (1) if the feature is irregular in shape its length is its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the longer axis; for a round feature, the diameter.
	<u>allowed values:</u> -999999.0						
	Note : Memorandum	1	No Information	String	Unitless	2E+09	A narrative or other textual description that records observation(s) and/or event(s) associated with a particular subject (for example: a data instance, a data set or a data processing activity). [Description] No restriction is placed on its length.
	<u>allowed values:</u> No Information						
	Geographic Name Information : Name Identifier	1	No Information	String	Unitless	18	The unique name identifier element in the NGA Geographic Names Data Base (GNDB). [Description] Typically used together with Attribute: 'Named Feature Identifier' to provide a unique index into the NGA Geographic Names Data Base (GNDB) from which NGA draws all of its feature name information.
	<u>allowed values:</u> No Information						
	Navigation Landmark	1	No Information	Boolean	Unitless	0	An indication that a feature may serve as a navigation landmark, allowing for rapid and positive orientation of a navigator. [Description] Its size, shape, location, and/or isolation make it prominent in relation to its surroundings, and it is therefore easily recognized from the surface and/or from the air.
	<u>allowed values:</u> False			No Information			True

Physical Condition	1	No Information	Enumeration	Unitless	0	The physical condition of a man-made structure, as a whole, including the inside and/or outside of the structure and any contained and/or associated equipment. [Description] The physical condition applies to any phase of the life cycle of a man-made structure from construction to destruction. Examples of man-made structures include roads, canals, buildings, towers, aerodromes and facilities.
<i>allowed values:</i> Construction Intact			Damaged No Information			Destroyed Unmaintained Dismantled
Restriction Information : Security Attributes Group <resource classification>	1	U	CodeList	Unitless	14	The highest level of classification applicable to the resource, or a portion of the resource, within the domain of classified national security information. [Description] The Classification element is always used in conjunction with the Owner-Producer element. Taken together, the two elements specify the classification category and the type of classification (US, non-US, or Joint). [DatatypeSpecification] A structured text consisting of a single value that is drawn from a codelist, each domain member of which denotes a security classification that is applicable to a resource. [EncodingSpecification] A character string consisting of a one or two-character alphabetic code drawn from a codelist domain specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumISMClassificationAll
<i>allowed values:</i> U						
Feature Metadata : Process Step Information : Resource Content Originator	1	No Information	CodeList	Unitless	30	The organization responsible for originating (creating) the content of the resource. [Description] A resource is a set of instances of one or more modeling entities selected according to a single rationale (for example: a common production or publication process); for example, a set of modeling entities whose instances together constitute a 'water resources map'. [CodeListDefinition] An up to thirty-character lower camel-case alphanumeric code drawn from a codelist domain specified by the GEOINT Structure Implementation Profile (GSIP). [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/codelist/ResourceContentOriginatorCode
<i>allowed values:</i> No Information			Other			
Restriction Information : Security Attributes Group <resource dissemination controls>	1	noInformation	StructuredText	Unitless	254	Controls which identify the expansion or limitation on the distribution of the resource. [DatatypeSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [EncodingSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a dissemination control that is applicable to a resource. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMDissem
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource non-intelligence community markings>	1	noInformation	StructuredText	Unitless	254	Information security classification markings for a classified resource originating from non-intelligence components of the US Department of Defense or the US Department of Energy. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes a non-intelligence community marking that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMNonIC
<i>allowed values:</i> noInformation						
Restriction Information : Security Attributes Group <resource owner-producer>	1	noInformation	StructuredText	Unitless	254	The national government or international organization owner(s) and/or producer(s) of the resource. [DatatypeSpecification] A structured text consisting of a sequence of values that are individually drawn from a codelist, each domain member of which denotes an owner-producer that is applicable to a resource. [EncodingSpecification] A character string consisting of an ordered list of space-separated codelist values. The codelist domain is specified by the (US) Intelligence Community implementation profile for information security markings. [Hyperlink] http://metadata.ces.mil/mdr/ns/GSIP/schema/ic/ism/7.0.0/CVEnumSMOwnerProducer
<i>allowed values:</i> noInformation						
Specified Domain Value(s)	1	noInformation	StructuredText	Unitless	2E+09	One or more intended attribute domain values for one or more enumeration or codelist attributes that are not currently valid members of their respective attribute ranges. [Description] The actual attribute domain values may have been previously, or may become in the future, valid members of the attribute domain range. [DatatypeSpecification] A structured text value specifying a set of pairs of attribute and listed domain value. [EncodingSpecification] A string containing zero or more parenthesis-enclosed ('(' and ')') substrings separated by spaces (' '). Each substring consists of an attribute code followed by a colon ':' followed by the preferred name or description for the missing domain value. The domain value name or description may contain any character except the right-parenthesis (')'). The ordering of the substrings is not significant. Each referenced attribute must be of type 'enumeration' or 'codeList'. For example, either of the strings '(cropSpecies:Kumquat)' (cropSpecies:Okra) (farmingMethod:Organic Techniques) or '(CSP:Kumquat)' (CSP:Okra) (FMM:Organic Techniques) could be used in the case that it is intended that two additional domain values be assigned to the 'Crop Species' attribute and one additional domain value be assigned to the 'Farming Method' attribute.
<i>allowed values:</i> noInformation						
Unique Entity Identifier	1	noInformation	StructuredText	Unitless	254	An identifier of a modeling entity collecting metadata (for example: source, lineage, quality) about an entity collection. [Description] The identifier may be specified by a Uniform Resource Name (URN) in accordance with the Internet Engineering Task Force (IETF) RFC2396 and RFC2141. It is based on the Uniform Resource Identifier (URI), a compact string of characters for identifying an abstract or physical resource. The term 'Uniform Resource Name' (URN) refers to the subset of URI that are required to remain globally unique and persistent even when the resource ceases to exist or becomes unavailable. The URN is drawn from one of a set of defined namespaces, each of which has its own set name structure and assignment procedures. [DatatypeSpecification] A structured text value specifying a unique entity (for example: feature or event) identifier. [EncodingSpecification] Structured in accordance with IETF RFC2396 and RFC2141; the namespace is managed by the NGA National Center for Geospatial Intelligence Standards (NCGIS).

allowed values: *noInformation**allowed values:* *pimGUID*

Width	1	-999999.0	REAL	metre	0	The dimension of a feature taken perpendicular to its primary alignment of use and generally in the horizontal plane. [Description] The primary alignment of a feature is its established direction of flow or use (for example: a road, a power line right-of-way, a river, rapid, and/or a bridge). A feature-specific rule may apply. In the case of a bridge, the width is the distance perpendicular to the bridge centre-line and generally in the horizontal plane. In the case of a dam, the width is the distance perpendicular to (across the) the dam crest. If no such direction of flow or use exists then (1) if the feature is irregular in shape its width is taken perpendicular to the direction of its greatest horizontal dimension (see Attribute: 'Greatest Horizontal Extent'), else (2) if the feature is regular in shape then a shape-specific rule may apply: for a rectangular feature, the length of the shorter axis; for a round feature, the diameter.
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allowed values: *-999999.0*

Relationships: Zoo (Point) - has attribute metadata in - Zero or more - FeatureAttMetadata (Table)
 Zoo (Point) - has dataset metadata in - Zero or one - Dataset (Area)
 Zoo (Point) - has dataset metadata in - Zero or one - Dataset (Table)
 Zoo (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Area)
 Zoo (Point) - has entity collection metadata in - Zero or more - EntityCollectionMetadata (Table)
 Zoo (Point) - has feature metadata in - Zero or more - FeatureMetadata (Table)
 Zoo (Point) - has restriction metadata in - Exactly one - RestrictionInfo (Table)
 Zoo (Point) - is a member of configuration level - Exactly one - GGDM_Global (Feature)
 Zoo (Point) - is a member of configuration level - Exactly one - GGDM_Regional (Feature)
 Zoo (Point) - is a member of group - Exactly one - RecreationPnt (FeatureGroup)